

Keleher et al. Submitted to PeerJ: Microbiome of Western NC Freshwater Sponges
NCBI Accessions Sponge 18S and COX1 – May 2024 to be released August 2024

Until accessible, sequences can be found below accession numbers:

COX1

SUB14488464	RSNR10_NR20	PP853474
SUB14488464	RSNR13_NR21	PP853475
SUB14488464	THJF23_JF52	PP853476
SUB14488464	THJF24_JF53	PP853477
SUB14488464	EFHa1_Hatch6	PP853478
SUB14488464	EFHa2_Hatch7	PP853479
SUB14488464	EFHa3_Hatch8	PP853480
SUB14488464	EFHa4_Hatch9	PP853481

18S and ITS

SUB14491266	NR5_CF29	PP853638
SUB14491266	NR6_CF30	PP853639
SUB14491266	NR17_CF24	PP853640
SUB14491266	JF21_CF50	PP853641
SUB14491266	JF22_CF51	PP853642
SUB14491266	Ha4b_CF9	PP853643
SUB14491266	Ha6_CF59	PP853644
SUB14491266	Ha7_CF60	PP853645

16S clone:

We have provided GenBank accession number(s) for your nucleotide sequence(s):

SUB14491334	RSclone_5f_NR	PP930792
-------------	---------------	----------

COX1:

>RSNR10_NR20 Radiospongilla crateriformis Cytochrome oxidase subunit 1 gene, partial cds;
mitochondrial

TGTTAGGGGATGATCAATTATATAATGTTATAGTTACAGCCCATGCTTTTCTAATGATATTTTTCTTAGTTATGC
CAGTAATGATTGGGGGATTTGGAAATTGATTCGTGCCATTATATATTGGTGCACCCGATATGGCTTTTCCAA
GATTAAACAATATTAGTTTTTGATTATTACCTCCGGCTTTAACTCTATTATTAGGATCTGCTTTTGTAGAGCAA
GGGGTTGGTACAGGATGGACAGTATATCCCCCTTTAGCAGGCATACAAGCGCATTCTGGGGGATCGGTTG
ATATGGCAATATTTAGTCTTCACTTGGCGGGTATTTCTTCGATATTAGGGGCTATGAATTTATCACAACAATC
TTTAATATGAGAGCGCCCGGTATTACAATGGATAGACTGCCATTATTTGTATGATCTATTTTAATAACAGCCTT
TTTATTATTATTATCTTTACCTGTATTAGCTGGTGGTATAACAATGCTTTTAACAGATAGAAATTTAATACAAC
ATTCTTTGATCCTGCTGGAGGAGGAGACCCAATACTATTTCAACATTTATTTTGATTTTTTGGTCACCC

>RSNR13_NR21 Radiospongilla crateriformis Cytochrome oxidase subunit 1 gene, partial cds;
mitochondrial

CCCATGCTTTTCTAATGATATTTTTCTTAGTTATGCCAGTAATGATTGGGGGATTTGGAAATTGATTCGTGCC
ATTATATATTGGTGCACCCGATATGGCTTTTCCAAGATTAAACAATATTAGTTTTTGATTATTACCTCCGGCTTT
AACTCTATTATTAGGATCTGCTTTTGTAGAGCAAGGGGTTGGTACAGGATGGACAGTATATCCCCCTTTAGC
AGGCATACAAGCGCATTCTGGGGGATCGGTTGATATGGCAATATTTAGTCTTCACTTGGCGGGTATTTCTTC
GATATTAGGGGCTATGAATTTTATCACAACAATCTTTAATATGAGAGCGCCCGGTATTACAATGGATAGACTG
CCATTATTTGTATGATCTATTTAATAACAGCCTTTTTATTATTATTATCTTTACCTGTATTAGCTGGTGGTATAA
CAATGCTTTTAACAGATAGAAATTTAATACAACATTCTTTGATCCTGCTGGAGGAGGAGACCCAATACTAT
TTCAACATTTATTTTGATTTTTTGGTCACCC

>THJF23_JF52 Trochospongilla horrida Cytochrome oxidase subunit 1 gene, partial cds;
mitochondrial

TGTTAGGGGATGATCAATTATATAATGTTATAGTTACAGCCCATGCTTTTCTAATGATATTTTTCTTAGTTATGC
CAGTAATGATTGGGGGATTTGGAAATTGATTCGTGCCATTATATATTGGTGCACCCGATATGGCTTTTCCAA
GATTAAACAATATTAGTTTTTGATTATTACCTCCGGCTTTAACTCTATTATTAGGATCTGCTTTTGTAGAGCAA
GGGGTTGGTACCGGATGGACAGTATACCCCCCTTTAGCAGGCATACAAGCACATTCTGGGGGATCAGTTG
ATATGGCAATATTTAGTCTTCACTTGGCGGGTATTTCTTCGATATTAGGGGCTATGAATTTTATCACAACAATC
TTTAATATGAGAGCGCCTGGTATTACAATGGATAGAATGCCATTATTTGTATGATCTATTTTAATAACAGCCTT
TTTATTATTATTATCTTTACCTGTATTAGCTGGTGGTATAACAATGCTTTTAACAGATAGAAATTTAATACAAC
ATTCTTTGATCCTGCTGGGGGAGGAGACCCAATACTATTTCAACATTTATTTTGATTTTTTGGTCAC

>THJF24_JF53 Trochospongilla horrida Cytochrome oxidase subunit 1 gene, partial cds;
mitochondrial

CCATGCTTTTCTAATGATATTTTTCTTAGTTATGCCAGTAATGATTGGGGGATTTGGAAATTGATTCGTGCCAT
TATATATTGGTGCACCCGATATGGCTTTTCCAAGATTAAACAATATTAGTTTTTGATTATTACCTCCGGCTTTA
ACTCTATTATTAGGATCTGCTTTTGTAGAGCAAGGGGTTGGTACAGGATGGACAGTATATCCCCCTTTAGCA
GGCATACAAGCGCATTCTGGGGGATCGGTTGATATGGCAATATTTAGTCTTCACTTGGCGGGTATTTCTTCG
ATATTAGGGGCTATGAATTTTATCACAACAATCTTTAATATGAGAGCGCCCGGTATTACAATGGATAGACTGC
CATTATTTGTATGATCTATTTAATAACAGCCTTTTTATTATTATTATCTTTACCTGTATTAGCTGGTGGTATAAC
AATGCTTTTAACAGATAGAAATTTAATACAACATTCTTTGATCCTGCTGGAGGAGGAGACCCAATACTATTT
CAACATTTATTTTGATTTTTTGGTCACCCTGAAG

>EFHa1_Hatch6 Eunapius fragilis Cytochrome oxidase subunit 1 gene, partial cds; mitochondrial
CCATGCTTTTCTAATGATATTTTTCTTAGTTATGCCAGTAATGATTGGGGGATTTGGAAATTGATTCGTGCCAT
TATATATTGGTGCACCCGATATGGCTTTTCCAAGATTAAACAATATTAGTTTTTGATTATTACCTCCGGCTTTA

ACTCTATTATTAGGATCTGCTTTTGTAGAGCAAGGGGTTGGTACAGGATGGACAGTATATCCCCCTTTAGCA
GGCATAACAAGCGCATTCTGGGGGATCGGTTGATATGGCAATATTTAGTCTTCACTTGGCGGGTATTTCTTCG
ATATTAGGGGCTATGAATTTTATCACAACAATCTTTAATATGAGAGCGCCCGGTATTACAATGGATAGACTGC
CATTATTTGTATGATCTATTTTAATAACAGCCTTTTTATTATTATTATCTTTACCTGTATTAGCTGGTGGTATAAC
AATGCTTTTAACAGATAGAAATTTAATAACAACATTCTTTGATCCTGCTGGAGGAGGAGACCCAATACTATTT
CAACATTTATTTTGATTTTTTTGGTCACCCTGAAGTTT

>EFHa2_Hatch7 *Eunapius fragilis* Cytochrome oxidase subunit 1 gene, partial cds; mitochondrial
CCATGCTTTTCTAATGATATTTTTCTTAGTTATGCCAGTAATGATTGGGGGATTGGAAATTGATTTCGTGCCAT
TATATATTGGTGCACCCGATATGGCTTTTCCAAGATTAAACAATATTAGTTTTTTGATTATTACCTCCGGCTTTA
ACTCTATTATTAGGATCTGCTTTTGTAGAGCAAGGGGTTGGTACAGGATGGACAGTATATCCACCTTTAGCA
GGTATAACAAGCACATTCTGGGGGATCAGTTGATATGGCAATATTTAGTCTTCACTTGGCGGGTATTTCTTCG
ATATTAGGGGCTATGAATTTTATCACAACAATCTTTAATATGAGAGCGCCCGGTATTACAATGGATAGAATGC
CATTATTTGTATGATCTATTTTAATAACAGCCTTTTTATTATTATTATCTTTACCTGTATTAGCTGGTGGTATAAC
AATGCTTTTAACAGATAGAAATTTAATAACAACATTCTTTGATCCTGCTGGAGGAGGAGACCCTATACTATTT
CAACATTTATTTTGATTTTTTTGGTCACCCTGAAGTT

>EFHa3_Hatch8 *Eunapius fragilis* Cytochrome oxidase subunit 1 gene, partial cds; mitochondrial
CCCATGCTTTTCTAATGATATTTTTCTTAGTTATGCCAGTAATGATTGGGGGATTGGAAATTGATTTCGTGCC
ACTATATATTGGTGCACCCGATATGGCTTTTCCAAGATTAAATAATATTAGTTTTTTGATTATTACCTCCGGCTTT
AACTCTATTATTAGGATCTGCTTTTGTAGAGCAAGGGGTTGGTACAGGATGGACAGTATATCCCCCTTTAGC
AGGGATAACAAGCACATTCTGGGGGATCAGTTGATATGGCAATATTTAGTCTTCACTTGGCGGGTATTTCTTC
GATATTAGGGGCTATGAATTTTATCACTACAATCTTTAATATGAGAGCGCCCGGTATTACAATGGATAGAATG
CCATTATTTGTATGATCTATTTTAATAACAGCCTTTTTATTATTATTATCTTTACCTGTATTAGCTGGTGGTATAA
CAATGCTTTTAACAGATAGAAATTTAATAACAACATTTTTTTGATCCTGCTGGAGGAGGAGACCCAATACTAT
TTCAACATTTATTTTGATTTTTTTGGTCACCCTGAAGTTT

>EFHa4_Hatch9 *Eunapius fragilis* Cytochrome oxidase subunit 1 gene, partial cds; mitochondrial
CAGCCCATGCTTTTCTAATGATATTTTTCTTAGTTATGCCAGTAATGATTGGGGGATTGGAAATTGATTTCGT
GCCACTATATATTGGTGCACCCGATATGGCTTTTCCAAGATTAAATAATATTAGTTTTTTGATTATTACCTCCGG
CTTTAACTCTATTATTAGGATCTGCTTTTGTAGAGCAAGGGGTTGGTACAGGATGGACAGTATATCCCCCTTT
AGCAGGGATAACAAGCACATTCTGGGGGATCAGTTGATATGGCAATATTTAGTCTTCACTTGGCGGGTATTTTC
TTCGATATTAGGGGCTATGAATTTTATCACTACAATCTTTAATATGAGAGCGCCCGGTATTACAATGGATAGA
ATGCCATTATTTGTATGATCTATTTTAATAACAGCCTTTTTATTATTATTATCTTTACCTGTATTAGCTGGTGGTA
TAACAATGCTTTTAACAGATAGAAATTTAATAACAACATTTTTTTGATCCTGCTGGAGGAGGAGACCCAATAC
TATTTCAACATTTATTTTGATTTTTTTGGTCACC

18S and ITS:

>NR5_CF29 *Radiospongilla crateriformis* 18S ribosomal RNA gene, partial, internal transcribed spacer 1, complete; 5.8S ribosomal RNA gene, complete; internal transcribed spacer 2, partial
GAACCTGCGGAAGGATCATTACCGTACCATTTCGGGGGATTTCGTTTTCCCTGGATCCACTGTGCACTAGGC
TGCGGCCCCGCCAGGAGCCGCGTTTGGGGAGGTCGCCCTCGGGTGCAGGTCGACGCGAGTCGGCGAGA
GAGATCCCTCTGCCGGCCTCTCCGACGCGGTTCCAGGGCCGAGTTCTTATTATTTTTTTCTCACGAACCG
TGGAGTTACCAACGGGTCTAGTTTCGTTTCGTTTGTGCGAGGAGACAACGTAAAAAAGTTGAGACAACCTC
TAACGGTGGACCCCTCGGCTCGTGCGTCGATGAAGAACGCAGCAAACCTGCGATACGTAGTGTGAATTGCA
GAATTCGCTGAATCATCGAGTCTTTGAACGCAAATTGCGCCCTCGGTTTGAAGCCGGGGGCACGTCTGTCT
GAGCGTCCGTTTCGTTTCTGTCTCCCCGGCGAGCGTTTCTCCCAAAAAGAGGAACGTTTTTCGCTCCGGC
GGTTGGCGTGTTGAGGCGTCGTCCGGCGACGGGAGTCCCTTGAAGTGCGAAGCGCTCCGGATCGAAGG
ACTCGGATCAGCTCGAGTGCCCTTCCACCTTGCGCGT

>NR6_CF30 *Radiospongilla crateriformis* 18S ribosomal RNA gene, partial, internal transcribed spacer 1, complete; 5.8S ribosomal RNA gene, complete; internal transcribed spacer 2, partial
CCTGCGGAAGGATCATTACCGTACCATTTCGGGGGATTTCGTTTTCCCTGGATCCACTGTGCACTAGGCTGC
GGCCCGCCGGAGCCGCGTTTGGGGAGGTCGCCCTCGGGTGCAGGTCGACGCGAGTCGGCGAGAGAG
ATCCCTCCGCGGCCTCTCCGACGCGGTTCCAGGGCCGAGTTCTTATAATTTTTTTCTCACGAACCGTGG
AGTTACCAACGGGTCTAGTTTCGTTTCGTTTGTGCGAGGAGACAACGTAAAAAAGTTGAGACAACCTCTAAC
GGTGGACCCCTCGGCTCGTGCGTCGATGAAGAACGCAGCAAACCTGCGATACGTAGTGTGAATTGCAGAAT
TCCGTGATTCATCTAGTCTTTGAACGCTAATTGCGCCCTCTGTTTGAAGCCGGGGGCACGTCTGTCTGAGC
GTCCGTTTCGTTTCTGTCTCCCCGGCGAGCGTTTCTCCCAAAAAGAGGAACGTTTTTTGCTCCGGCGGATG
GCGTGTTGAGGCGTCATCCGGCAACAG

>NR8_CF18 *Radiospongilla crateriformis* 18S ribosomal RNA gene, partial; internal transcribed spacer 1, partial

GAACCTGCGGAAGGATCATTACCGTACAATTCGGGGATTTTCTTCCCTGGATCCACTGTGCACCAGGCTG
CGGCCCCGCTATGCCGCGTTTTGGGGAGGTATGGCCCTCGGGCCGTCCTCCCCGACGCGGTGGGCCGAG
TTCTTAACTTTATTTTTCGAACTCGAGCGGACCGAACGGGTATCTTTTTTTT

>NR17_CF24 *Radiospongilla crateriformis* 18S ribosomal RNA gene, partial, internal transcribed spacer 1, complete; 5.8S ribosomal RNA gene, complete; internal transcribed spacer 2, complete; 28S ribosomal RNA gene, partial

ATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACCGTACCGTT
TCGGGGAATTTCGTTCCCTCGATCCACTGTGCACTAGGCTGCGGCCCGCAAAGCCGCGTCGGGGAGGTCG
TTCTCGGGTGCAGGACGACGCGAGTCGGCGCGAGAGAACCCTCCGCCGGCCTCTCCGACGCGGAGGG
CCGCAGTTCTCGCTCTTTTTTTTCTCGAACCGTAGCGTACCGAACGGGTTGCTGTTTTTATCGTATTGTCGA
GGAGACAACGTATAAAAGTTTGAGACAACCTCTAACGGTGGACCCCTCGGCTCGTGCGTCGATGAAGAAC
GCAGCAAACCTGCGATACGTAGTGTGAATTGCAGAATTCCGTGAATCATCGAGTCTTTGAACGCAAATTGCG
CCCTCGGTTTCGAAGCCGGGGGCACGTCTGTCTGAGCGTCCGTTTCTTTTGGCGTCTCCGCGTCGGGCGG
TCTTCCGACCGACCGGGAGGCGCGTCGTTGAGGCGTCGTCCGAAATTCGGGCGTCCCTTGAAGAGCGAA
GCGTCCGGTTCGAAGGGCAAACCTCCTCTCGAGTGCCCTTCCACCTTGC GCGTCGGGAACCTCGACGATG
ACAAGGGGAAGGGCGCCTCGTCTGCGAGGACCTGCGTTCCAGAGCCGCACCGAAAGCGGATTTATCGCG
GGAGAGCTCGTCTCTCCTCCATCCTGGACCTCAGCTCAGGCGTGACTACCCGCTGAATTTAAGCATATCAAT
AAGCGGAGGAAAAGAAACCAACAGGGATTCCCCAGTAACGGCGAGCGAAGCGGGAATAGCTCGAGCC
TTAAATCTCCGGCGCACAGCCGGCGAATTGTAGCCGAGAGAGGCACCTGCGCTCGGCAGGCGGTGCGACC
AAAGTTGACCTGGAAG

>JF21_CF50 *Trochospongilla horrida* 18S ribosomal RNA gene, partial, internal transcribed spacer 1, complete; 5.8S ribosomal RNA gene, complete; internal transcribed spacer 2, complete; 28S ribosomal RNA gene, partial

GGTGAACCTGCGGAAGGATCATTACCGTACCGTTTCGGGGAATTCGTTCCCTCGATCCACTGTGCACTAGG
CTGCGGCCCGCCAAAGCCGCGTCGGGGAGGTCGTTCTCGGGTGCGAGGACGACGCGAGTCGGCGCGAG
AGAACCCTCCGCCGGCCTCTCCGACGCGGAGGGCCGCGAGTTCTCGCTCTTTTTTTCTCGAACCGTAGCGT
ACCGAACGGGTTGCTGTTTTTATCGTATTGTCGAGGAGACAACGTATAAAAGTTTGAGACAACTTCTAACG
GTGGACCCCTCGGCTCGTGCGTCGATGAAGAACGCAGCAAACCTGCGATACGTAGTGTGAATTGCAGAATT
CCGTGAATCATCGAGTCTTTGAACGCAAATTGCGCCCTCGGTTTGAAGCCGGGGGACGTCTGTCTGAGC
GTCCGTTTCTTTTTGGCGTCTCCGCGTCGGGCGGTCTTCGACCGACCGGGAGGCGCGTCGTTGAGGCGT
CGTCCGAAATTCGGGCGTCCCTTGAAGAGCGAAGCGCTCCGGTTTGAAGGGCAAACCTCCTCTCGAGTG
CCCTTCCACCTTGCGCGTCGGGAACCTCGACGATGACAAGGGGAAGGGCGCCTCGTCTGCGAGGACCTGC
GTTCCAGAGCCGCACCGAAAGCGTTTTATCGCGGGAGAGCTCGTCTCTCTCCATCCTGGACCTCAGCTC
AGGCGTGACTACCCGCTGAATTTAAGCATATCAATAAGCGGAGGAAAAGAAACCAACAGGGATTCCCCCA
GTAACG

>JF22_CF51 *Trochospongilla horrida* 18S ribosomal RNA gene, partial, internal transcribed spacer 1, complete; 5.8S ribosomal RNA gene, complete; internal transcribed spacer 2, complete; 28S ribosomal RNA gene, partial

GTGAACCTGCGGAAGGATCATTACCGTACCATTTCCGGGGGATTTCGTTTTCCCTGGATCCACTGTGCACTAG
GCTGCGGCCCGCCAGGAGCCGCGTTTGGGGAGGTCGCCCTCGGGTGCGAGGTCGACGCGAGTCGGCGA
GAGAGATCCCTCTGCCGGCCTCTCCGACGCGGTTCCAGGGCCGCGAGTTCTTATTATTTTTTTCTCACGAAC
CGTGAGATTACCAACGGGTCTAGTTTCGTTTCGTTTGTGCGAGGAGACAACGTAAAAAAGTTGAGACAACT
TCTAACGGTGGACCCCTCGGCTCGTGCGTCGATGAAGAACGCAGCAAACCTGCGATACGTAGTGTGAATTG
CAGAATCCGTGAATCATCGAGTCTTTGAACGCAAATTGCGCCCTCGGTTTGAAGCCGGGGGACGTCTG
TCTGAGCGTCCGTTTCGTTTCTGTCTCCCCGGCGAGCGTTTCTCCCAAAAAGAGGAACGTTTTTCGCTCCG
GCGGTTGGCGTGTTGAGGCGTCGTCCGGCGACGGGCGTCCCTTGAAGTGCGAAGCGCTCCGGTTCGAAG
GACTCGGCTCAGCTCAGTGCCCTTCCACCTTGCGCGTCGGGAACCTCGACGATGACAAGAGGGGAGAGG
CCTCGTTCGCGAGGTGATCCGGCGTACCAGAGCCAACACAGGTTTTTTACACGAGGAGCTTTTTTCACGAG
AGCTCTTCCATCCTGGACCTCAGCTCAGGCGTGACTACCCGCTGAATTTAAGCATATCAATAAGCGGAGGA
AAAGAAACCAACAGGGATTCCCCAGTAACGGCGAGCGAAGCGGGAATAGCTCGAGCCTTAAATCTCCG
GCGCACAGCCGGCGAATTGTAGCCGAAAGAGGCACCTGCGCTCGGCAGGCGGTGACCAAAGTTGACCT
GGAAAG

>JF23_CF52 *Trochospongilla horrida* 18S ribosomal RNA gene, partial

ACCTGCGGAAGGATCATTACCGTCTGTTCTCGGGGATCTCGATCCCTGCGATCCACCGTGCCTAGGCTGC
GGCCCGCCACGCCGCGTCGGGGAGGTCGCCCTCGGGTCAAGAGGGTGACGCAAGTCGGCGAGAGAGAT
CCCCTCGCCGGCCTCCCCGTGCGGAGGGCCGCGAGTTCTCTATTCCATTTTTTTTTTCCAACCCTGGAATACC
CCCACCGGGTGGCCTTCCGGTTCCTTTCTGGCA

>Ha4b_CF9 *Eunapius fragilis* 18S ribosomal RNA gene, partial, internal transcribed spacer 1, complete; 5.8S ribosomal RNA gene, complete; internal transcribed spacer 2, complete; 28S ribosomal RNA gene, partial

CCTGCGGAAGGATCATTACCGTACCGTTTCGGGGAATTCGTTCCCTCGATCCACTGTGCACTAGGCTGCGG
CCCGCCAAAGCCGCGTCGGGGAGGTCGTTCTCGGGTGCGAGGACGACGCGAGTCGGCGCGAGAGAACC
CTCCGCCGGCCTCTCCGACGCGGAGGGCCGCGAGTTCTCGCTCTTTTTTTTCTCGAACCGTAGCGTACCGAA
CGGGTTGCTGTTTTTATCGTATTGTCGAGGAGACAACGTATAAAAGTTTGAGACAACTTCTAACGGTGGAC

CCCTCGGCTCGTGCCTCGATGAAGAACGCAGCAAACCTGCGATACGTAGTGTGAATTGCAGAATTCCGTGA
ATCATCGAGTCTTTGAACGCAAATTGCGCCCTCGGTTCTGAAGCCGGGGGCACGTCTGTCTGAGCGTCCGT
TTCCTTTTGGCGTCTCCGCGTCGGGCGGTCTTCCGACCGACCGGGAGGCGCGTCTGTTGAGGCGTCTCCG
AAATTCGGGCGTCCCTTGAAGAGCGAAGCGCTCCGGTTCTGAAGGGCAAACCTCCTCTCGAGTGCCCTTCC
ACCTTGCGCGTCAGGAACTCGACGATGACAAGGGGAAGGGCGCCTCGTCTGCGAGGACCTGCGTTCCAG
AGCCGCACCGAAAGCGGTGTTATCGCGGGAGAGCTCGTCTCTCCTCCATCCTGGACCTCAGCTCAGGCGT
GACTACCCGCTGAATTTAAGCATATCAATAAGCGGAGGAAGAGAAACCAACAGGGATTCCCCAGTAACG
GCGAGCGAAGCGGGAATAGCTCCGAGCCTTAAATCTTCGGGCGCACAGCCGGCGAATTGTAACCGAAAA
AGGAACTGCNTTCGTCAGGCGGNGAACAAAGTGACCTGGAAGGGACGTTAAAG

>Ha6_CF59 18S *Eunapius fragilis* 18S ribosomal RNA gene, partial, internal transcribed spacer 1, complete; 5.8S ribosomal RNA gene, complete; internal transcribed spacer 2, complete; 28S ribosomal RNA gene, partial

ACCTGCGGAAGGATCATTACCGTACCATTTCGGGGGATTCTGTTTTCCCTGGATCCACTGTGCACTAGGCTG
CGGCCCCGCCAGGAGCCGCGTTTGGGGAGGTCGCCCTCGGGTGCAGGTTCGACGCGAGTCGGCGAGAG
AGATCCCTCTGCCGCCCTCTCCGACGCGGTTCCAGGGCCGCAAGTTCTTATTATTTTTTTCTCACGAACCGT
GGAGTTACCAACGGGTCTAGTTTCGTTTCGTTTGTGAGGAGACAACGTAAAAAAGTTGAGACAATTCT
AACGGTGGACCCCTCGGCTCGTGCCTCGATGAAGAACGCAGCAAACCTGCGATACGTAGTGTGAATTGCAG
AATTCGTGAATCATCGAGTCTTTGAACGCAAATTGCGCCCTCGGTTTGAAGCCGGGGGCACGTCTGTCTG
AGCGTCCGTTTCGTTTCTTGTCTCCCCGGCGAGCGTTTCTCCCAAAAAGAGGAACGTTTTTCGCTCCGGCG
GTTGGCGTGTTGAGGCGTCGTCCGGCGACGGGCGTCCCTTGAAGTGCGAAGCGCTCCGGTTCGAAGGAC
TCGGCTCAGCTCGAGTGCCCTTCCACCTTGCCTCGGGAACCTCGACGATGACAAGAGGGGAGAGGCCT
CGTTCGCGAGGTGATCCGGCGTACCAGAGCCAACACAGGTTTTTTTACACGAGGAGCTTTTTTCACGAGAGC
TCTTCCATCCTGGACCTCAGCTCAGGCGTACTACCCGCTGAATTTAAGCATATCAATAAGCGGAGGAAAA
GAAACCAACAGGGATTCCCCAGTAACGGCGAGCGAAGCGGGAATAGCTCGAGCCTTAAATCTCCGGCG
CACAGCCGGCGAATTGTAGCCGAGAGAGGCACCTGCGCTCGGCAGGCGGTTCGACCAAAGTTGACCTGG
AAA

>Ha7_CF60 *Eunapius fragilis* 18S ribosomal RNA gene, partial, internal transcribed spacer 1, complete; 5.8S ribosomal RNA gene, partial

TGAACCTGCGGAAGGATCATTACCGTCTGTTCTCGGGGATCTCGATCCCTGCGATCCACCGTGCACTAGGC
TGCGGCCCCGCCACGCCGCTCGGGGAGGTGCGCCCTCGGGTCAAGAGGGTGACGCAAGTCGGCGAGAGA
GATCCCCTCGCCGGCCTCCCCGTCGCGGAGGGCCGCAAGTTCTCTATTCCATTTTTTTTTTCCAACCTTGAGT
ACCCCGACAGGGTGGCCTTCGTTTTCTTTCTTGGCAAAAAAAAAAACCAAAAAACGAAAAACAATTC
TAACGGTGGACCCCTCCGCTCGTGGGTCCATGAAGAACCAACAACTGGGATACGTAATGGGAATTGCA
AAATTCGTGAATCATCGAGTCTTTGAACCCAAATTGGGCCCTCGGGTTGAAACCGGGGGCACCTCTGGC
TGAACGTC

16S rRNA gene from cloning:

>RScclone_5f_NR Uncultured bacterium sponge associated bacterium from Radiospongilla crateriformis 16S ribosomal gene, partial

GTCAGCCGGACTACCGGGGTATCTAATCCTGTTTGATCCCCACGCTTTCGTGCCTCNGCGTCAATATTTGCG
TAGCAAGCTGCCTTCNCAATTGGTGTCTATGTCATATCNAAGCATTTACCGCTACATGACATATNCCGCTT
ACCTCCACAATATTCAAGACAAATAGTATCAATGGCAGTTCTGAAGTTAAGCTTCAGGATTTACCACTGAC
TTNNTTGCCCNCTACGCACCCTTNAAANCCAGTGAATCCGGATAACGCTTGACACCCTCCGTATTACCGCG
GCTGCTGGCACA