

Intraspecific Variation of the Aquatic Fungus Articulospora tetracladia: An Ubiquitous Perspective.

Seena,S., Duarte,S., Pascoal,C. and Cassio,F.

(2012) PLoS ONE 7:(4)E35884

PMID: 22558256

```
>gi|383290909|gb|JF895397.1| Articulospora tetracladia isolate UMB-042.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACGCTCTGGCATCGATGAA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCACGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTAAACACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTTGCAGTAACCCGAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCCGCTGAACCTAA

>gi|383290910|gb|JF895398.1| Articulospora tetracladia isolate UMB-043.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACGCTCTGGCATCGATGAA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCACGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTAAACACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTTGCAGTAACCCGAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCCGCTGAACCTAA

>gi|383290911|gb|JF895399.1| Articulospora tetracladia isolate UMB-058.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACGCTCTGGCATCGATGAA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCACGCTTGG
```

TATTGGGGCCTCGGGTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATTT
TTCTCGCTATAGAGTCTCGGTAGTTACTTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCCGCTGAACCTAA

>gi|383290912|gb|JF895400.1| Articulospora tetracladia isolate UMB-
074.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGGAAACACCACGGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACGGATCTTGGTTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACGGATCTTGGTTCTGGCATCGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCGTGAGCGTCATTCACCCATCAAGCTCACGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATTT
TTCTCGCTATAGAGTCTCGGTAGTTACTTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCCGCTGAACCTAA

>gi|383290913|gb|JF895401.1| Articulospora tetracladia isolate UMB-
076.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGGAAACACCACGGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACGGATCTTGGTTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACGGATCTTGGTTCTGGCATCGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCGTGAGCGTCATTCACCCATCAAGCTCACGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATTT
TTCTCGCTATAGAGTCTCGGTAGTTACTTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCCGCTGAACCTAA

>gi|383290914|gb|JF895402.1| Articulospora tetracladia isolate UMB-
325.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGGAAACACCACGGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACGGATCTTGGTTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACGGATCTTGGTTCTGGCATCGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCGTGAGCGTCATTCACCCATCAAGCTCACGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATTT
TTCTCGCTATAGAGTCTCGGTAGTTACTTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCCGCTGAACCTAA

>gi|383290915|gb|JF895403.1| Articulospora tetracladia isolate UMB-
329.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal

RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTACCTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAAGCTCAGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCAGCCTGG
TATTGGGCCTGCGGTTTCGCAGCCTAAACACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290916|gb|JF895404.1| Articulospora tetracladia isolate UMB-
365.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTACCTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAAGCTCAGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCAGCCTGG
TATTGGGCCTGCGGTTTCGCAGCCTAAACACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290917|gb|JF895405.1| Articulospora tetracladia isolate UMB-
381.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTACCTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAAGCTCAGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCAGCCTGG
TATTGGGCCTGCGGTTTCGCAGCCTAAACACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290918|gb|JF895406.1| Articulospora tetracladia isolate UMB-
427.09 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTACCTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA

GAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCACTGAATCATCGAATCTTGAAACGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCACGCTTGG
TATTGGGCCTGCGGTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290919|gb|JF895407.1| Articulospora tetracladia isolate UMB-
485.10 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGGAAACACCACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCTTCAACAAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCACTGAATCTTGAAACGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCACGCTTGG
TATTGGGCCTGCGGTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290920|gb|JF895408.1| Articulospora tetracladia isolate UMB-
493.10 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGGAAACACCACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCTTCAACAAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCACTGAATCTTGAAACGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCACGCTTGG
TATTGGGCCTGCGGTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290921|gb|JF895409.1| Articulospora tetracladia isolate UMB-
047.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGGAAACACCACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCTTCAACAAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCACTGAATCTTGAAACGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCACGCTTGG
TATTGGGCCTGCGGTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTGGTTACTTGCCAGTAACCCGCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290922|gb|JF895410.1| Articulospora tetracladia isolate UMB-413.09 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTACCTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGCGAATTCAACGTCAGTGAATCATCGAAC
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCACGCTT
TATTGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTA
TTCTCGCTATAGAGTCTCGGTAGTTACTGCCAGTAACCCCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290923|gb|JF895411.1| Articulospora tetracladia isolate UMB-021.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTACCTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGCGAATTCAACGTCAGTGAATCATCGAAC
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCACGCTT
TATTGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTA
TTCTCGCTATAGAGTCTCGGTAGTTACTGCCAGTAACCCCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290924|gb|JF895412.1| Articulospora tetracladia isolate UMB-022.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTACCTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGCGAATTCAACGTCAGTGAATCATCGAAC
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCACGCTT
TATTGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTA
TTCTCGCTATAGAGTCTCGGTAGTTACTGCCAGTAACCCCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290925|gb|JF895413.1| Articulospora tetracladia isolate UMB-072.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTACCTAGTTGCTT

TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGTCGTGCCTGCCAGAGGAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACAACGGATCTCTGGTTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACCCATCAAGCTCACGCTTGG
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCACGCTTGG
TATTGGGCCTCGGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAG
GTAGGGATAACCCGCTGAACCTAA

>gi|383290926|gb|JF895414.1| Articulospora tetracladia isolate UMB-
106.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGTCGTGCCTGCCAGAGGAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACAACGGATCTCTGGTTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACCCATCAAGCTCACGCTTGG
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCACGCTTGG
TATTGGGCCTCGGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAG
GTAGGGATAACCCGCTGAACCTAA

>gi|383290927|gb|JF895415.1| Articulospora tetracladia isolate UMB-
237.02 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGTCGTGCCTGCCAGAGGAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACAACGGATCTCTGGTTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACCCATCAAGCTCACGCTTGG
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCACGCTTGG
TATTGGGCCTCGGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAG
GTAGGGATAACCCGCTGAACCTAA

>gi|383290928|gb|JF895416.1| Articulospora tetracladia isolate UMB-
321.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGTCGTGCCTGCCAGAGGAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACAACGGATCTCTGGTTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACCCATCAAGCTCACGCTTGG
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCACGCTTGG
TATTGGGCCTCGGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT

TTCTCGCTATAGAGTCTCGGTAGTTACTTGCCAGTAACCCCCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA
>gi|383290929|gb|JF895417.1| Articulospora tetricladia isolate UMB-
423.09 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCAACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACAAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTGAGAATTCAACACGGATCTCTGGTCTGG
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCACGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGAGTCTCGGTAGTTACTTGCCAGTAACCCCCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA
>gi|383290930|gb|JF895418.1| Articulospora tetricladia isolate UMB-
078.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCAACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACAAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTGAGAATTCAACACGGATCTCTGGTCTGG
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCACGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGGGTCTCGGTAGTTACTTGCCAGTAACCCCCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA
>gi|383290931|gb|JF895419.1| Articulospora tetricladia isolate UMB-
327.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCAACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTTAAAACCAACAAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTGAGAATTCAACACGGATCTCTGGTCTGG
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCACGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGGGTCTCGGTAGTTACTTGCCAGTAACCCCCAATTTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA
>gi|383290932|gb|JF895420.1| Articulospora tetricladia isolate UMB-
353.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S

ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCCTGAATATTACCTCGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACGGATCTCTGGTCTGGCATCGATGAA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTACGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGGGTCTCGGTAGTTACTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAG
GTAGGGATACCCGCTGAACCTAA

>gi|383290933|gb|JF895421.1| Articulospora tetracladia isolate UMB-
430.09 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCCTGAATATTACCTCGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACGGATCTCAACCCATCAAGCTACGCTTGG
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTACGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGGGTCTCGGTAGTTACTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAG
GTAGGGATACCCGCTGAACCTAA

>gi|383290934|gb|JF895422.1| Articulospora tetracladia isolate UMB-
004.00 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACGGATCTCAACCCATCAAGCTCCGCTTGG
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCACCCATCAAGCTCCGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCGATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGGGTCTCGGTAGTTACTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAG
GTAGGGATACCCGCTGAACCTAA

>gi|383290935|gb|JF895423.1| Articulospora tetracladia isolate UMB-
040.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGTCTGAGTACTATATAATAGTAAAACCAACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACACGGATCTCAACCCATCAAGCTACGCTTGG

TTGCGCCCTGTGGTATTCCGCAGGGCATGCCCTGTCGAGCGTCATTCACCCATCAAGCTCCGCTTGG
TATTGGGGCCTCGGGTTCGCAGCCTAAACTCAGTGGCGTGCATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGGGTCTCGGTGTTACTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA
>gi|383290936|gb|JF895424.1| Articulospora tetricladia isolate UMB-
060.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCCTGAATATTACCTAGTTGCT
TTGGCAGGCCGTGAAACACCACGGGCTCGGTTGTGCGCTGCCAGAGGAAACAAACTCTGTTT
TAGTGATGTCTGAGTACTATATAATAGTAAACCTTCAACAACGGATCTTGGTCTGGCATCGATGA
AGAACCGAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCACTGAGTGAATCATCGAATCTTGAACGCAC
ATTGCCCTGTGGTATTCCGCAGGGCATGCCCTGTCAGCGTCATTCACCCATCAAGCTCCGCTTGG
GTATTGGGCCTCGGGTTCGCAGCCTAAACTCAGTGGCGTGCATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGGGTCTCGGTGTTACTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAG
GGTAGGGATAACCGCTGAACCTAA
>gi|383290937|gb|JF895425.1| Articulospora tetricladia isolate UMB-
061.01 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCCTGAATATTACCTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGGCTCGGTTGTGCGCTGCCAGAGGAAACAAACTCTGTTT
AGTGATGTCTGAGTACTATATAATAGTAAACCTTCAACAACGGATCTTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCACTGAGTGAATCATCGAATCTTGAACGCACA
TTGCCCTGTGGTATTCCGCAGGGCATGCCCTGTCAGCGTCATTCACCCATCAAGCTCCGCTTGG
TATTGGGCCTCGGGTTCGCAGCCTAAACTCAGTGGCGTGCATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGGGTCTCGGTGTTACTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA
>gi|383290938|gb|JF895426.1| Articulospora tetricladia isolate UMB-
326.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCCTGAATATTACCTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGGCTCGGTTGTGCGCTGCCAGAGGAAACAAACTCTGTTT
AGTGATGTCTGAGTACTATATAATAGTAAACCTTCAACAACGGATCTTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCACTGAGTGAATCATCGAATCTTGAACGCACA
TTGCCCTGTGGTATTCCGCAGGGCATGCCCTGTCAGCGTCATTCACCCATCAAGCTCCGCTTGG
TATTGGGCCTCGGGTTCGCAGCCTAAACTCAGTGGCGTGCATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGGGTCTCGGTGTTACTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA

>gi|383290939|gb|JF895427.1| Articulospora tetracladia isolate UMB-380.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTATACCTAGTTGCTTGGCAGGCCGTGAAACACCACGGGCTTCGGCTGTGCGCTGCCAGAGGAAACAAACTCTGTTTTAGTGATGCTGAGTACTATATAATAGTTAAAACCTTCAACAACGGATCTTGGTCTGGCATCGATGAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCACTGAATCTTGAACGCACATTGCCCTGTGGTATTCCGCAGGGCATGCCTGTTGAGCGTCATTCAACCCATCAAGCTCCGCTTGTATTGGGCCTGCGGTTCGCAGCCTCTAAACTCAGTGGCGGTGCGATTGAGCTTGAGCGTAGTAATTTCCTCGCTATAGGGTCTCGTCGTTACTGCCAGTAACCCCCAATTTCAGGTTGACCTCGGATCA

GGTAGGGATAACCGCTGAACCTAA

>gi|383290940|gb|JF895428.1| Articulospora tetracladia isolate UMB-383.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTATACCTAGTTGCTTGGCAGGCCGTGAAACACCACGGGCTTCGGCTGTGCGCTGCCAGAGGAAACAAACTCTGTTTTAGTGATGCTGAGTACTATATAATAGTTAAAACCTTCAACAACGGATCTTGGTCTGGCATCGATGAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCACTGAATCTTGAACGCACATTGCCCTGTGGTATTCCGCAGGGCATGCCTGTTGAGCGTCATTCAACCCATCAAGCTCCGCTTGTATTGGGCCTGCGGTTCGCAGCCTCTAAACTCAGTGGCGGTGCGATTGAGCTTGAGCGTAGTAATTTCCTCGCTATAGGGTCTCGTCGTTACTGCCAGTAACCCCCAATTTCAGGTTGACCTCGGATCA

GGTAGGGATAACCGCTGAACCTAA

>gi|383290941|gb|JF895429.1| Articulospora tetracladia isolate UMB-487.10 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTATACCTAGTTGCTTGGCAGGCCGTGAAACACCACGGGCTTCGGCTGTGCGCTGCCAGAGGAAACAAACTCTGTTTTAGTGATGCTGAGTACTATATAATAGTTAAAACCTTCAACAACGGATCTTGGTCTGGCATCGATGAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCACTGAATCTTGAACGCACATTGCCCTGTGGTATTCCGCAGGGCATGCCTGTTGAGCGTCATTCAACCCATCAAGCTCCGCTTGTATTGGGCCTGCGGTTCGCAGCCTCTAAACTCAGTGGCGGTGCGATTGAGCTTGAGCGTAGTAATTTCCTCGCTATAGGGTCTCGTCGTTACTGCCAGTAACCCCCAATTTCAGGTTGACCTCGGATCA

GGTAGGGATAACCGCTGAACCTAA

>gi|383290942|gb|JF895430.1| Articulospora tetracladia isolate UMB-008.00 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCACCCTGAATATTATACCTAGTTGCTT

TGGCAGGCCGTGAAACACCACGGCTTGGCTTGCCTGCCAGAGGAAACAAACTCTGTTTTA
GTGATGTCTGAGTACTATATAATAGTAAACTTCAACAACGGATCTTGGTTCTGGCATCGATGAAG
AACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAAGCTTACGCTGGT
TGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTTACGCTGGT
ATTGGGGCCTGCAGGTTTCGAGCCTCTAAACTCAGTGGCGGTGCAACTGAGCTCTGAGCGTAGTAATTT
TCTCGCTATAGGGTCTCGGTTGTGACTTGCCAGCAACCCCCAATTTTATCAGGTTGACCTCGGATCAGG
TAGGGATACCCGCTGAACCTAA

>gi|383290943|gb|JF895431.1| Articulospora tetracladia isolate UMB-
309.06 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTTGGCTTGCCTGCCAGAGGAAACAAACTCTGTTTTA
GTGATGTCTGAGTACTATATAATAGTAAACTTCAACAACGGATCTTGGTTCTGGCATCGATGAAG
AACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAAGCTTACGCTGGT
TGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTTACGCTGGT
ATTGGGGCCTGCAGGTTTCGAGCCTCTAAACTCAGTGGCGGTGCAACTGAGCTCTGAGCGTAGTAATTT
TCTCGCTATAGGGTCTCGGTTGTGACTTGCCAGCAACCCCCAATTTTATCAGGTTGACCTCGGATCAGG
TAGGGATACCCGCTGAACCTAA

>gi|383290944|gb|JF895432.1| Articulospora tetracladia isolate UMB-
338.07 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTTGGCTTGCCTGCCAGAGGAAACAAACTCTGTTTTA
GTGATGTCTGAGTACTATATAATAGTAAACTTCAACAACGGATCTTGGTTCTGGCATCGATGAAG
AACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAAGCTTACGCTGGT
TGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTTACGCTGGT
ATTGGGGCCTGCAGGTTTCGAGCCTCTAAACTCAGTGGCGGTGCAACTGAGCTCTGAGCGTAGTAATTT
TCTCGCTATAGGGTCTCGGTTGTGACTTGCCAGTAACCCCCAATTTTATCAGGTTGACCTCGGATCAGG
TAGGGATACCCGCTGAACCTAA

>gi|383290945|gb|JF895433.1| Articulospora tetracladia isolate UMB-
484.10 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTTGGCTTGCCTGCCAGAGGAAACAAACTCTGTTTTA
GTGATGTCTGAGTACTATATAATAGTAAACTTCAACAACGGATCTTGGTTCTGGCATCGATGAAG
AACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAAGCTTACGCTGGT
TGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTTACGCTGGT
ATTGGGGCCTGCAGGTTTCGAGCCTCTAAACTCAGTGGCGGTGCAACTGAGCTCTGAGCGTAGTAATTT

TCTCGCTATAGGGTCTCGGTGACTTGCCAGCAACCCCCAATTTTATCAGGTTGACCTCGGATCAGG
TAGGGATACCCGCTGAACTTAA
>gi|383290946|gb|JF895434.1| Articulospora tetricladia isolate UMB-
489.10 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCAACGGCTTGGCTTGCCTGCCAGAGGAAACAAACTCTGTTTTA
GTGATGTCTGAGTACTATATAATAGTTAAAACCTTCAACAAACGGATCTTGGTTCTGGCATCGATGAAG
AACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCACTGAATCATCGAATCTTGAACGCACAT
TGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTTGAGCGTCATTCACCCATCAAGCTTACGCTTGGT
ATTGGGGCCTGCGGTTTCGAGCCTCTAAACTCAGTGGCGGTGCAACTGAGCTCTGAGCGTAGTAATTT
TCTCGCTATAGGGTCTCGGTGACTTGCCAGCAACCCCCAATTTTATCAGGTTGACCTCGGATCAGG
TAGGGATACCCGCTGAACTTAA
>gi|383290947|gb|JF895435.1| Articulospora tetricladia isolate UMB-
492.10 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCAACGGCTTGGCTTGCCTGCCAGAGGAAACAAACTCTGTTTTA
GTGATGTCTGAGTACTATATAATAGTTAAAACCTTCAACAAACGGATCTTGGTTCTGGCATCGATGAAG
AACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCACTGAATCATCGAATCTTGAACGCACAT
TGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTTGAGCGTCATTCACCCATCAAGCTTACGCTTGGT
ATTGGGGCCTGCGGTTTCGAGCCTCTAAACTCAGTGGCGGTGCAACTGAGCTCTGAGCGTAGTAATTT
TCTCGCTATAGGGTCTCGGTGACTTGCCAGCAACCCCCAATTTTATCAGGTTGACCTCGGATCAGG
TAGGGATACCCGCTGAACTTAA
>gi|383290948|gb|JF895436.1| Articulospora tetricladia isolate UMB-
497.10 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S
ribosomal RNA gene, partial sequence
AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTGAATATTACCTTAGTTGCTT
TGGCAGGCCGTGAAACACCAACGGCTTGGCTTGCCTGCCAGAGGAAACAAACTCTGTTTTA
GTGATGTCTGAGTACTATATAATAGTTAAAACCTTCAACAAACGGATCTTGGTTCTGGCATCGATGAAG
AACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCACTGAATCATCGAATCTTGAACGCACAT
TGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTTGAGCGTCATTCACCCATCAAGCTTACGCTTGGT
ATTGGGGCCTGCGGTTTCGAGCCTCTAAACTCAGTGGCGGTGCAACTGAGCTCTGAGCGTAGTAATTT
TCTCGCTATAGGGTCTCGGTGACTTGCCAGCAACCCCCAATTTTATCAGGTTGACCTCGGATCAGG
TAGGGATACCCGCTGAACTTAA
>gi|383290949|gb|JF895437.1| Articulospora tetricladia isolate UMB-
418.09 internal transcribed spacer 1, partial sequence; 5.8S ribosomal
RNA gene and internal transcribed spacer 2, complete sequence; and 28S

ribosomal RNA gene, partial sequence

AAGGATCATTACAGAGTTCATGCCCTCACGGTAGATCTCCCACCCTTGAATATTATACCTTCGTTGCTT
TGGCAGGCCGTGAAACACCACGGCTTCGGCTTGTGCGCTGCCAGAGGAAACAAACTCTGTTTT
AGTGATGCTGAGTACTATATAATAGTAAAACCAACACGGATCTCTGGTCTGGCATCGATGAA
GAACGCAGCGAAATGCGATAAGTAATGTGAATTGAGAATTCAACAGTGAATCATCGAATCTTGAAACGCACA
TTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTCAGCGTCATTCAACCCATCAAGCTCCGCTTGG
TATTGGGGCCTGCGGTTTCGCAGCCTCTAAACTCAGTGGCGGTGCTATTGAGCTCTGAGCGTAGTAATT
TTCTCGCTATAGGGTCTCGGTAGTGACTTGCCAGCAACCCCCATTATTCAGGTTGACCTCGGATCAG
GTAGGGATAACCGCTGAACCTAA