

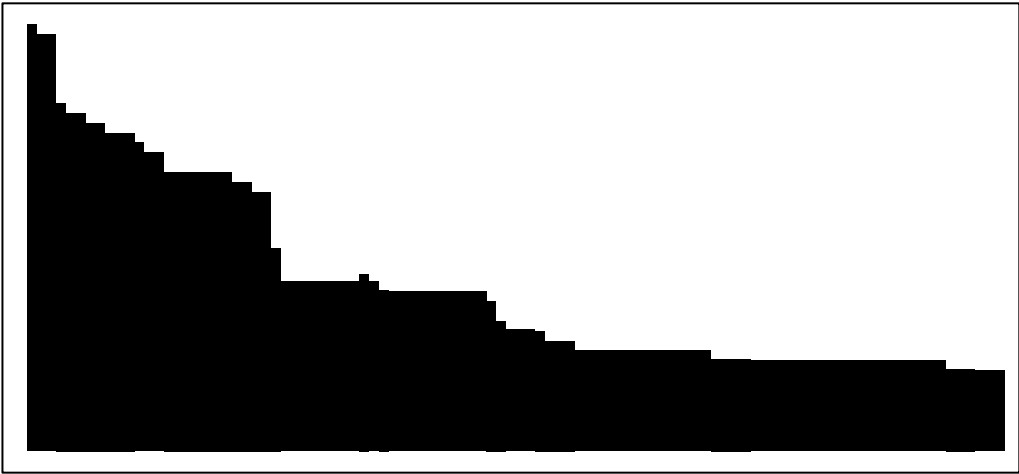
OTU_118;size=6339;.csv

Sheathia confusa

Batrachospermaceae

Batrachospermales

100



| | | | | | | | |
|---|----------|-------|-------|--------------|-------------------|--------------------------|--|
| Sheathia confusa isolate FR–D15 cytochrome oxidase | JX669682 | 100 | 100 | 1.41832e–105 | Batrachospermales | Batrachospermaceae | Sheathia confusa |
| Sheathia confusa voucher GDA–A 8579 cytochrome oxi | KM592954 | 99.54 | 100 | 6.03084e–104 | Batrachospermales | Batrachospermaceae | Sheathia confusa |
| Sheathia confusa isolate NZ–11 cytochrome oxidase | JX669680 | 99.54 | 100 | 6.03084e–104 | Batrachospermales | Batrachospermaceae | Sheathia confusa |
| Sheathia americana isolate PA–4B cytochrome oxidas | JX669693 | 96.31 | 100 | 1.02126e–94 | Batrachospermales | Batrachospermaceae | Sheathia americana |
| Sheathia americana isolate RI–P3 cytochrome oxidas | JX669694 | 95.85 | 100 | 4.3425e–93 | Batrachospermales | Batrachospermaceae | Sheathia americana |
| Sheathia americana isolate RI–P7 cytochrome oxidas | JX669695 | 95.85 | 100 | 4.3425e–93 | Batrachospermales | Batrachospermaceae | Sheathia americana |
| Sheathia americana isolate NY–S cytochrome oxidase | JX669729 | 95.39 | 100 | 1.51568e–92 | Batrachospermales | Batrachospermaceae | Sheathia americana |
| Sheathia americana isolate AL cytochrome oxidase s | JX669679 | 95.39 | 100 | 5.29025e–92 | Batrachospermales | Batrachospermaceae | Sheathia americana |
| Sheathia heterocortica isolate GA–8 cytochrome oxi | JX669701 | 94.91 | 99.54 | 7.85142e–90 | Batrachospermales | Batrachospermaceae | Sheathia heterocortica |
| Sheathia heterocortica isolate NC–2 cytochrome oxi | JX669721 | 94.91 | 99.54 | 7.85142e–90 | Batrachospermales | Batrachospermaceae | Sheathia heterocortica |
| Sheathia heterocortica isolate NC–9 cytochrome oxi | JX669691 | 94.91 | 99.54 | 7.85142e–90 | Batrachospermales | Batrachospermaceae | Sheathia heterocortica |
| Sheathia grandis isolate OH–MRL1 cytochrome oxidas | JX669699 | 94.47 | 100 | 2.74042e–89 | Batrachospermales | Batrachospermaceae | Sheathia grandis |
| Sheathia grandis isolate WI–0201 cytochrome oxidas | JX669700 | 94.01 | 100 | 1.16525e–87 | Batrachospermales | Batrachospermaceae | Sheathia heterocortica |
| Batrachospermum heterocorticum isolate 32 cytochro | EU636740 | 94.01 | 100 | 1.16525e–87 | Batrachospermales | Batrachospermaceae | Sheathia heterocortica |
| Sheathia involuta isolate AL–S3 cytochrome oxidase | JX669730 | 93.09 | 100 | 6.03617e–85 | Batrachospermales | Batrachospermaceae | Sheathia involuta |
| Sheathia involuta isolate VA–H cytochrome oxidase | JX669687 | 93.09 | 100 | 6.03617e–85 | Batrachospermales | Batrachospermaceae | Sheathia involuta |
| Sheathia involuta isolate VA–E12 cytochrome oxidas | JX669685 | 93.09 | 100 | 6.03617e–85 | Batrachospermales | Batrachospermaceae | Sheathia involuta |
| Sheathia involuta isolate TX–C cytochrome oxidase | JX669704 | 93.09 | 100 | 6.03617e–85 | Batrachospermales | Batrachospermaceae | Sheathia involuta |
| Sheathia involuta isolate AZ cytochrome oxidase su | JX669702 | 93.09 | 100 | 6.03617e–85 | Batrachospermales | Batrachospermaceae | Sheathia involuta |
| Sheathia involuta isolate TN–W cytochrome oxidase | JX669696 | 93.09 | 100 | 6.03617e–85 | Batrachospermales | Batrachospermaceae | Sheathia involuta |
| Sheathia involuta isolate OK–C cytochrome oxidase | JX669684 | 93.09 | 100 | 6.03617e–85 | Batrachospermales | Batrachospermaceae | Sheathia involuta |
| Sheathia involuta isolate VA–E7 cytochrome oxidase | JX669686 | 92.63 | 100 | 2.10683e–84 | Batrachospermales | Batrachospermaceae | Sheathia involuta |
| Sheathia involuta isolate TX–B cytochrome oxidase | JX669717 | 92.63 | 100 | 7.35356e–84 | Batrachospermales | Batrachospermaceae | Sheathia involuta |
| Sheathia boryana isolate GB–6–2010 cytochrome oxid | JX669710 | 92.17 | 100 | 3.12681e–82 | Batrachospermales | Batrachospermaceae | Sheathia boryana |
| Sheathia boryana isolate PL–4–2010 cytochrome oxid | JX669706 | 92.17 | 100 | 3.12681e–82 | Batrachospermales | Batrachospermaceae | Sheathia boryana |
| Sheathia arcuata isolate BG1 cytochrome oxidase su | JX669616 | 89.52 | 96.77 | 6.45053e–72 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 06633–00001 cytoc | KC596307 | 87.96 | 99.54 | 9.57344e–70 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 04952–00001 cytoc | KC596305 | 87.96 | 99.54 | 9.57344e–70 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 04924–00001 cytoc | KC596304 | 87.96 | 99.54 | 9.57344e–70 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 04906–00001 cytoc | KC596303 | 87.96 | 99.54 | 9.57344e–70 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 04330–00001 cytoc | KC596300 | 87.96 | 99.54 | 9.57344e–70 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 04251–00001 cytoc | KC596297 | 87.96 | 99.54 | 9.57344e–70 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 00168–00001 cytoc | KC596290 | 87.96 | 99.54 | 9.57344e–70 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 00079–00001 cytoc | KC596286 | 87.96 | 99.54 | 9.57344e–70 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum hondongense voucher SAS06009 cytoc | KC511071 | 88.32 | 98.62 | 9.57344e–70 | Batrachospermales | Batrachospermaceae | Batrachospermum hondongense |
| Chantransia sp. ARS–2011 voucher ARS00079 cytochro | HQ422872 | 87.96 | 99.54 | 9.57344e–70 | Batrachospermales | Batrachospermaceae | Chantransia sp. ARS–2011 |
| Sheathia arcuata voucher GDA–A 6432 cytochrome oxi | KM592947 | 87.56 | 100 | 1.16628e–68 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Sheathia arcuata voucher GDA–A 6414 cytochrome oxi | KM592945 | 87.5 | 99.54 | 4.07073e–68 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 05452–00002 cytoc | KC596306 | 87.5 | 99.54 | 4.07073e–68 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 04560–00001 cytoc | KC596302 | 87.5 | 99.54 | 4.07073e–68 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 04495–00001 cytoc | KC596301 | 87.5 | 99.54 | 4.07073e–68 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 04303–00001 cytoc | KC596299 | 87.5 | 99.54 | 4.07073e–68 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 04297–00001 cytoc | KC596298 | 87.5 | 99.54 | 4.07073e–68 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 04151–00002 cytoc | KC596296 | 87.5 | 99.54 | 4.07073e–68 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Batrachospermum arcuatum voucher 02599–00001 cytoc | KC596295 | 87.5 | 99.54 | 4.07073e–68 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Sheathia arcuata isolate TW–10 cytochrome oxidase | JX669681 | 87.5 | 99.54 | 4.07073e–68 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Chantransia sp. ARS–2011 voucher ARS02599 cytochro | HQ423114 | 87.5 | 99.54 | 4.07073e–68 | Batrachospermales | Batrachospermaceae | Chantransia sp. ARS–2011 |
| Batrachospermum arcuatum voucher 07238–00001 cytoc | KC596316 | 87.04 | 99.54 | 4.95916e–67 | Batrachospermales | Batrachospermaceae | Sheathia arcuata |
| Acrochaetiaceae sp. 1BC voucher GWS004601A cytochr | KF280874 | 86.11 | 99.54 | 2.56891e–64 | Acrochaetiales | Acrochaetiaceae | Acrochaetiaceae sp. 1BC |
| Dichotomaria falcata voucher CNU<KOR>:032190 cytoc | KF752528 | 85.71 | 100 | 3.12957e–63 | Nemaliales | Galaxauraceae | Dichotomaria falcata |
| Dichotomaria falcata voucher CNU<KOR>:032192 cytoc | KF752527 | 85.71 | 100 | 3.12957e–63 | Nemaliales | Galaxauraceae | Dichotomaria falcata |
| Dichotomaria falcata voucher CNU32190 cytochrome c | KC768179 | 85.71 | 100 | 3.12957e–63 | Nemaliales | Galaxauraceae | Dichotomaria falcata |
| Batrachospermum campylocloclonum isolate 87 cytochrom | KM055324 | 85.65 | 99.54 | 1.09233e–62 | Batrachospermales | Batrachospermaceae | Nothocladus bourrellyi var. campylocloclonus |
| Galaxaura filamentosa voucher ARS03487 cytochrome | HQ422797 | 85.19 | 99.54 | 1.33073e–61 | Nemaliales | Galaxauraceae | Galaxaura filamentosa |
| Uncultured Corallinales clone LBC0855 cytochrome o | GQ917651 | 85.19 | 99.54 | 1.33073e–61 | Corallinales | uncultured Corallinales | uncultured Corallinales |
| Batrachospermum theaquum isolate 60 cytochrome oxi | EU636742 | 85.19 | 99.54 | 1.33073e–61 | Batrachospermales | Batrachospermaceae | Nothocladus theaquum |
| Batrachospermum pseudogelatinosum isolate 104 cyto | KM055329 | 84.72 | 99.54 | 5.6584e–60 | Batrachospermales | Batrachospermaceae | Nothocladus pseudogelatinosus |
| Tricleocarpa cylindrica voucher UNB:GWS000150 cyto | KT886169 | 84.72 | 99.54 | 5.6584e–60 | Nemaliales | Galaxauraceae | Tricleocarpa cylindrica |
| Akalaphycus liagoroides voucher UNB:GWS002064 cyto | KT886156 | 84.72 | 99.54 | 5.6584e–60 | Nemaliales | Liagoraceae | Akalaphycus liagoroides |
| Callithamnion tetricum voucher RMAR1445 cytochrome | KJ960436 | 84.72 | 99.54 | 5.6584e–60 | Ceramiales | Ceramiaceae | Callithamnion tetricum |
| Callithamnion tetricum voucher RMAR1222 cytochrome | KJ960435 | 84.72 | 99.54 | 5.6584e–60 | Ceramiales | Ceramiaceae | Callithamnion tetricum |
| Callithamnion tetricum voucher RMAR1521 cytochrome | KJ960433 | 84.72 | 99.54 | 5.6584e–60 | Ceramiales | Ceramiaceae | Callithamnion tetricum |
| Callithamnion tetricum voucher RMAR1642 cytochrome | KJ960432 | 84.72 | 99.54 | 5.6584e–60 | Ceramiales | Ceramiaceae | Callithamnion tetricum |
| Callithamnion tetricum voucher RMAR1502 cytochrome | KJ960431 | 84.72 | 99.54 | 5.6584e–60 | Ceramiales | Ceramiaceae | Callithamnion tetricum |
| Callithamnion tetricum voucher RMAR1397 cytochrome | KJ960430 | 84.72 | 99.54 | 5.6584e–60 | Ceramiales | Ceramiaceae | Callithamnion tetricum |
| Callithamnion tetricum voucher RMAR1526 cytochrome | KJ960429 | 84.72 | 99.54 | 5.6584e–60 | Ceramiales | Ceramiaceae | Callithamnion tetricum |
| Dichotomaria obtusata voucher CNU<KOR>:021562 cyto | KF752536 | 84.72 | 99.54 | 5.6584e–60 | Nemaliales | Galaxauraceae | Dichotomaria obtusata |
| Tricleocarpa natalensis voucher CNU32169 cytochrom | KC768157 | 84.72 | 99.54 | 5.6584e–60 | Nemaliales | Galaxauraceae | Tricleocarpa natalensis |
| Galaxaura divaricata voucher ARS00995 cytochrome c | HQ422677 | 84.72 | 99.54 | 5.6584e–60 | Nemaliales | Galaxauraceae | Galaxaura divaricata |
| Callithamnion tetricum voucher A114 cytochrome c o | EU194969 | 84.72 | 99.54 | 5.6584e–60 | Ceramiales | Ceramiaceae | Callithamnion tetricum |
| Lemanea sp. MLV–2015 isolate 133 cytochrome oxidas | KM055333 | 84.33 | 100 | 1.97498e–59 | Batrachospermales | Lemaneaceae | Lemanea sp. MLV–2015 |
| Actinotrichia fragilis CNU11790 cytochrome c oxida | KC609376 | 84.33 | 100 | 1.97498e–59 | Nemaliales | Galaxauraceae | Actinotrichia fragilis |
| Rhodymeniales sp. ARS–2011 voucher ARS01719 cytoch | HQ423086 | 84.33 | 100 | 1.97498e–59 | Rhodymeniales | | Rhodymeniales sp. ARS–2011 |
| Batrachospermum sp. ARS–2008a cytochrome oxidase s | EU636741 | 84.33 | 100 | 1.97498e–59 | Batrachospermales | Batrachospermaceae | Nothocladus bourrellyi |
| Scinaia confusa voucher UNB:GWS010706 cytochrome o | KT886165 | 84.26 | 99.54 | 6.89335e–59 | Nemaliales | Scinaiaceae | Scinaia confusa |
| Lithophyllum sp. LAF7219 cytochrome oxidase subuni | KJ418417 | 84.26 | 99.54 | 6.89335e–59 | Corallinales | Lithophyllum sp. LAF7219 | Lithophyllum sp. LAF7219 |
| Acrochaetium moniliforme voucher SLC015 cytochrome | KF280887 | 84.26 | 99.54 | 6.89335e–59 | Acrochaetiales | Acrochaetiaceae | Acrochaetium moniliforme |
| Acrochaetium moniliforme voucher SLC016 cytochrome | KF280886 | 84.26 | 99.54 | 6.89335e–59 | Acrochaetiales | Acrochaetiaceae | Acrochaetium moniliforme |
| Acrochaetium moniliforme voucher CCAP13609 cytochr | KF280885 | 84.26 | 99.54 | 6.89335e–59 | Acrochaetiales | Acrochaetiaceae | Acrochaetium moniliforme |
| Acrochaetium moniliforme voucher GWS020422 cytochr | KF280884 | 84.26 | 99.54 | 6.89335e–59 | Acrochaetiales | Acrochaetiaceae | Acrochaetium moniliforme |
| Actinotrichia fragilis CNU23037 cytochrome c oxida | KC609382 | 84.26 | 99.54 | 6.89335e–59 | Nemaliales | Galaxauraceae | Actinotrichia fragilis |
| Actinotrichia fragilis CNU23022 cytochrome c oxida | KC609381 | 84.26 | 99.54 | 6.89335e–59 | Nemaliales | Galaxauraceae | Actinotrichia fragilis |
| Actinotrichia fragilis CNU21548 cytochrome c oxida | KC609378 | 84.26 | 99.54 | 6.89335e–59 | Nemaliales | Galaxauraceae | Actinotrichia fragilis |
| Stauromenia australis voucher WELT:A031182 cytochr | JQ255028 | 84.26 | 99.54 | 6.89335e–59 | Gigartinales | Kallymeniaceae | Stauromenia australis |
| Stauromenia australis voucher WELT:A024360 cytochr | JQ255026 | 84.26 | 99.54 | 6.89335e–59 | Gigartinales | Kallymeniaceae | Stauromenia australis |
| Scinaia confusa voucher GWS009096 cytochrome oxida | HQ603257 | 84.26 | 99.54 | 6.89335e–59 | Nemaliales | Scinaiaceae | Scinaia confusa |
| Scinaia confusa voucher GWS003905 cytochrome oxida | HQ603252 | 84.26 | 99.54 | 6.89335e–59 | Nemaliales | Scinaiaceae | Scinaia confusa |
| Scinaia confusa voucher GWS006554 cytochrome oxida | HQ603251 | 84.26 | 99.54 | 6.89335e–59 | Nemaliales | Scinaiaceae | Scinaia confusa |
| Scinaia confusa voucher GWS010619 cytochrome oxida | HM915680 | 84.26 | 99.54 | 6.89335e–59 | Nemaliales | Scinaiaceae | Scinaia confusa |
| Scinaia confusa voucher GWS019539 cytochrome oxida | HQ544471 | 84.26 | 99.54 | 6.89335e–59 | Nemaliales | Scinaiaceae | Scinaia confusa |
| Uncultured Corallinales clone LBC0568 cytochrome c | GQ917260 | 84.26 | 99.54 | 6.89335e–59 | Corallinales | uncultured Corallinales | uncultured Corallinales |
| Uncultured Corallinales clone LBC0214 cytochrome o | GQ917531 | 84.26 | 99.54 | 6.89335e–59 | Corallinales | uncultured Corallinales | uncultured Corallinales |
| Scinaia confusa voucher GWS003906 cytochrome oxida | GQ497320 | 84.26 | 99.54 | 6.89335e–59 | Nemaliales | Scinaiaceae | Scinaia confusa |
| Batrachospermum intortum isolate 11 cytochrome oxi | EU095969 | 84.26 | 99.54 | 6.89335e–59 | Batrachospermales | Batrachospermaceae | Kumanoa intorta |
| Actinotrichia fragilis CNU32151 cytochrome c oxida | KC609384 | 83.87 | 100 | 8.39781e–58 | Nemaliales | Galaxauraceae | Actinotrichia fragilis |
| Actinotrichia fragilis CNU29835 cytochrome c oxida | KC609383 | 83.87 | 100 | 8.39781e–58 | Nemaliales | Galaxauraceae | Actinotrichia fragilis |
| Scinaia complanata voucher LLG2746 cytochrome oxid | HQ603249 | 83.87 | 100 | 8.39781e–58 | Nemaliales | Scinaiaceae | Scinaia complanata |
| Amphiroa ephedraea mitochondrial COX1 gene for cyt | LC071733 | 83.8 | 99.54 | 2.93113e–57 | Corallinales | Corallinaceae | Amphiroa ephedraea |
| Amphiroa ephedraea mitochondrial COX1 gene for cyt | LC071732 | 83.8 | 99.54 | 2.93113e–57 | Corallinales | Corallinaceae | Amphiroa ephedraea |
| Actinotrichia fragilis voucher UNB:GWS000151 cytoc | KT886155 | 83.8 | 99.54 | 2.93113e–57 | Nemaliales | Galaxauraceae | Actinotrichia fragilis |