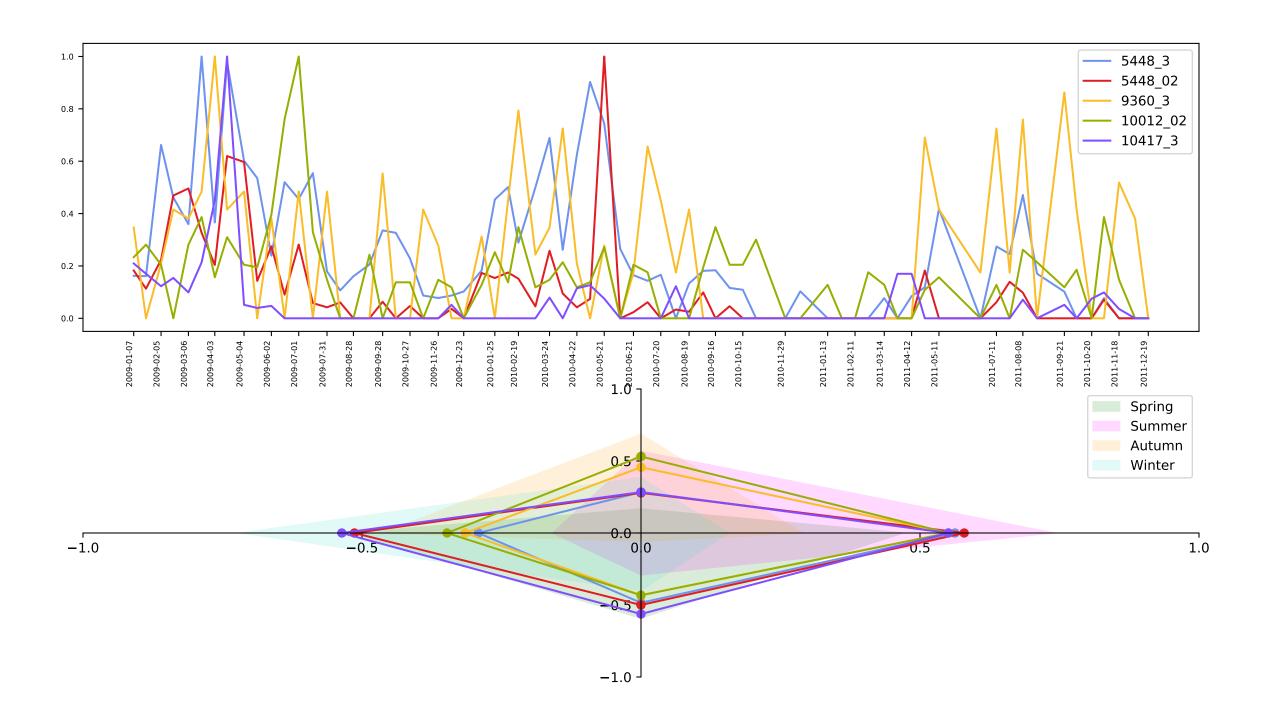
$5448\_3: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae | Gymnodini phycidae$ 5448\_02 : Eukaryota|SAR|Alveolata|Dinoflagellata|Dinophyceae|Gymnodiniphycidae  $9360\_3: Eukaryota | SAR| Alveolata | Ciliophora | Intramacronucleata | Spirotrichea | Oligotrichia | Strombidium | uncultured\_eukaryote | Samuel | Ciliophora | Intramacronucleata | Spirotrichea | Oligotrichia | Strombidium | uncultured\_eukaryote | Ciliophora | Ci$ 

10012\_02 : Eukaryota|Picozoa|uncultured\_phototrophic\_eukaryote

 $10417\_3: Eukaryota | Stramenopiles | Raphidophyceae | Chattonella | Stramenopiles | Raphidophyceae | Chattonella | Chattonella$ 



 $2314\_02: Eukaryota | SAR| Alveolata | Protalveolata | Syndiniales | Syndiniales \_ Group\_II | uncultured\_ eukaryote$ 

2313\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax|uncultured\_eukaryote

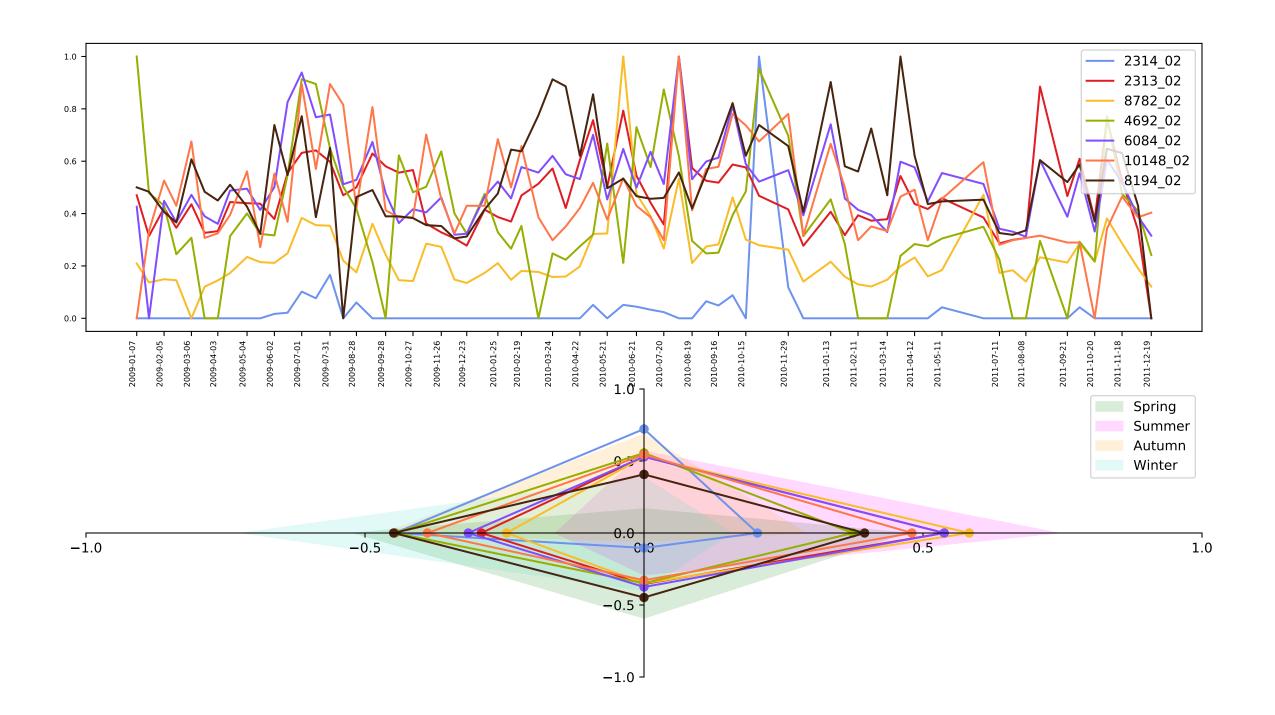
 $8782\_02: Eukaryota | Cryptophyceae | Cryptomonadales | uncultured | Cryptophyta\_sp.\_CR-MAL11| \\$ 

4692\_02 : Eukaryota|Picozoa|uncultured\_marine\_eukaryote

 $6084\_02: Eukaryota | Cryptophyceae | Cryptomonadales$ 

 $10148\_02: Eukaryota|Cryptophyceae|Cryptomonadales|uncultured\_Cryptophyta$ 

8194\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured\_Cryptophyta



12710\_3 : Eukaryota

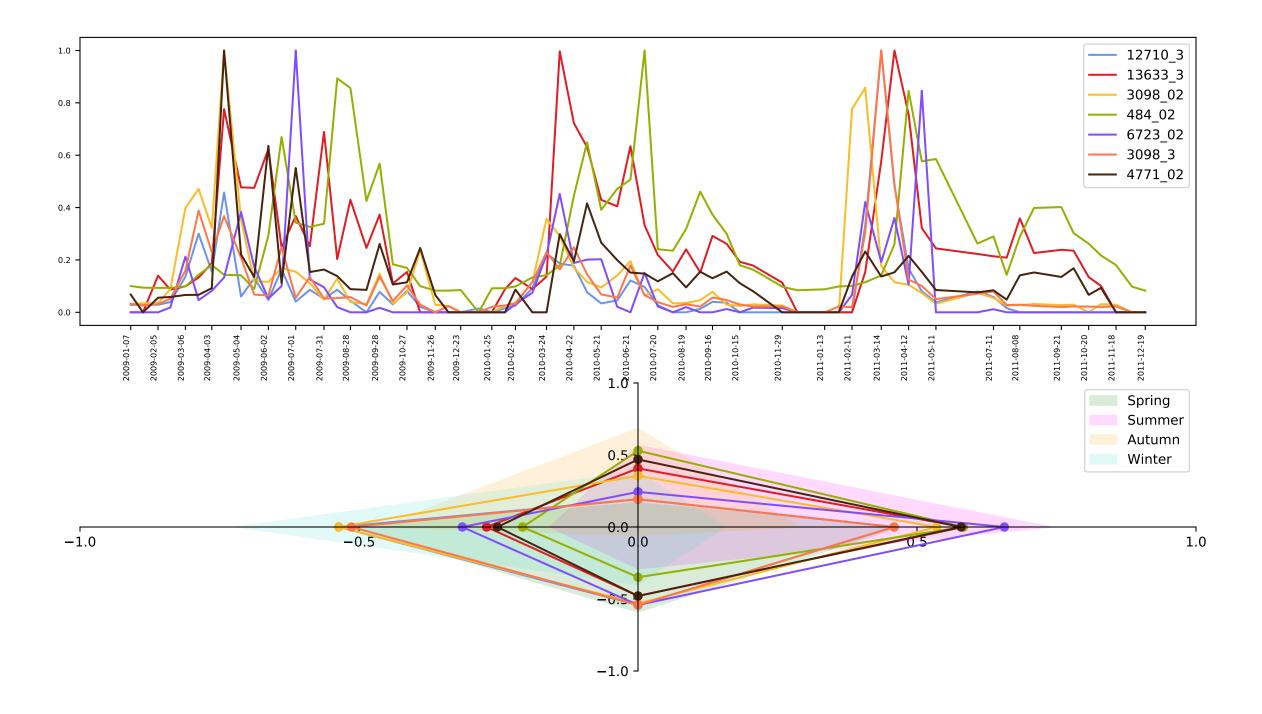
 $13633\_3: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae | Gymnodiniphycidae | Kareniaceae | Karlodinium | uncultured\_eukaryoteae | Cymnodiniphycidae | Cymnodinium | Cymno$ 

3098\_02 : Eukaryota|SAR|Alveolata

 $484\_02: Bacteria | Cyanobacteria | Cyanobacteriia | Chloroplast$ 

6723\_02 : Eukaryota|SAR|Alveolata|Protalveolata|Syndiniales|Amoebophrya|uncultured\_dinoflagellate

3098\_3 : Eukaryota|SAR|Alveolata 4771\_02 : Eukaryota|SAR|Alveolata



11876\_3 : Unknown

4930\_3 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax|uncultured\_marine\_eukaryote

8782\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured|Cryptophyta\_sp.\_CR-MAL11

13997\_3: Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Chaetoceros|Chaetoceros\_sp.

8782\_3: Eukaryota|Cryptophyceae|Cryptomonadales|uncultured|Cryptophyta\_sp.\_CR-MAL11

6084\_02 : Eukaryota|Cryptophyceae|Cryptomonadales

2321\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax|Cryptophyta\_sp.\_FU44-30

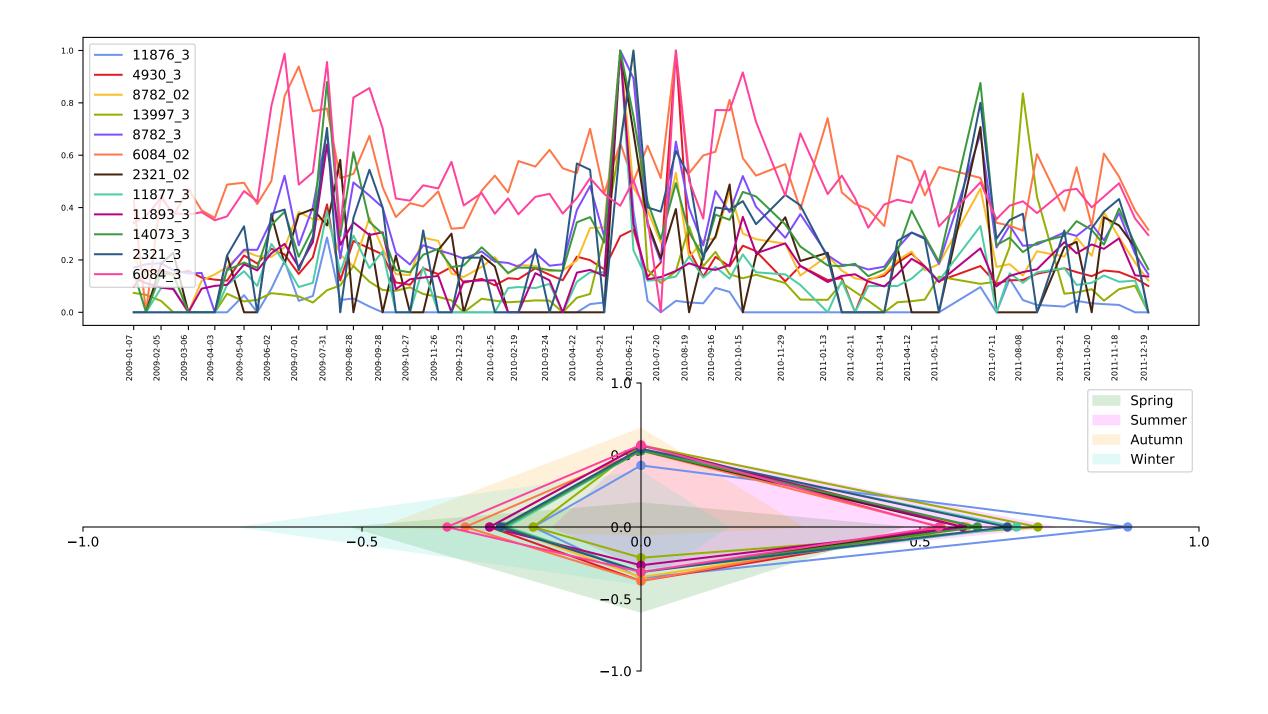
11877\_3 : Eukaryota|Stramenopiles|PX clade|Phaeophyceae|Ectocarpales|Scytosiphonaceae|g:Colpomenia|Colpomenia+peregrina

11893\_3: Eukaryota|Stramenopiles|PX clade|Phaeophyceae|Ectocarpales|Scytosiphonaceae|g:Colpomenia|Colpomenia+peregrina

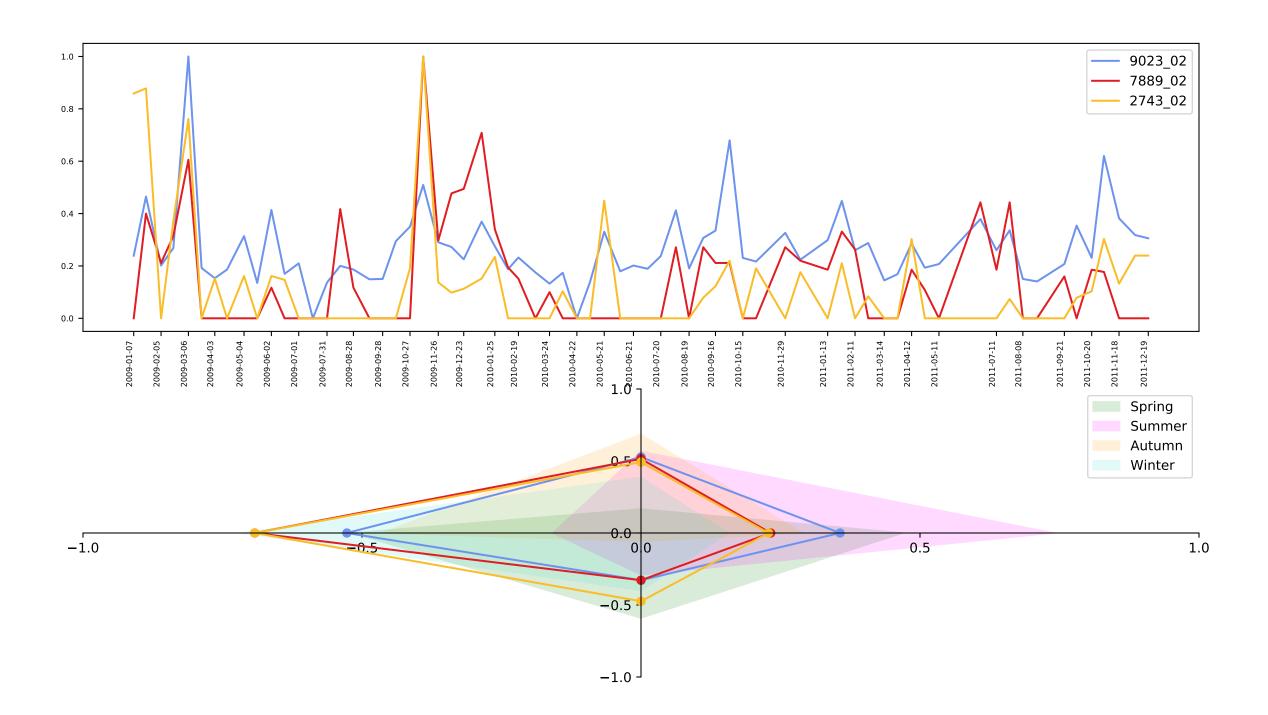
14073\_3 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured

2321 3 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax|Cryptophyta sp. FU44-30

6084 3 : Eukaryota|Cryptophyceae|Cryptomonadales



9023\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|uncultured\_stramenopile 7889\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|Thalassiosira\_pseudonana 2743\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Bacillariophyceae|Navicula|uncultured\_marine\_eukaryote



 $10378\_3: Eukaryota | SAR | Stramenopiles | MAST-3 | MAST-3F | uncultured\_eukaryote$ 

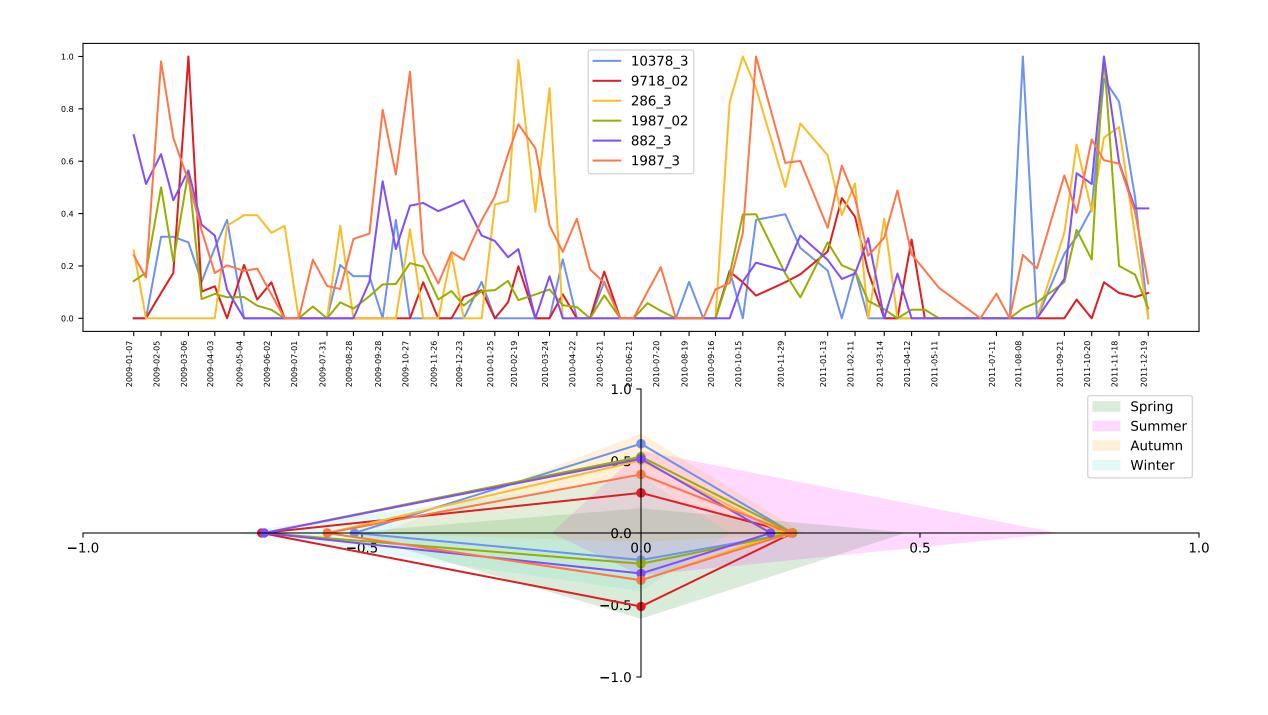
 $9718\_02: Eukaryota | SAR | Stramenopiles | Ochrophyta | Diatomea | Bacillari ophytina | Mediophyceae | Thalassiosira\_proschkinae | Contract of the property of the property$ 

286\_3 : Bacteria|Bacteroidota|Bacteroidia|Flavobacteriales|Crocinitomicaceae|Fluviicola

1987\_02 : Eukaryota|SAR|Alveolata

 $882\_3: Bacteria | Marinimic robia\_(SAR406\_clade) | uncultured\_bacterium$ 

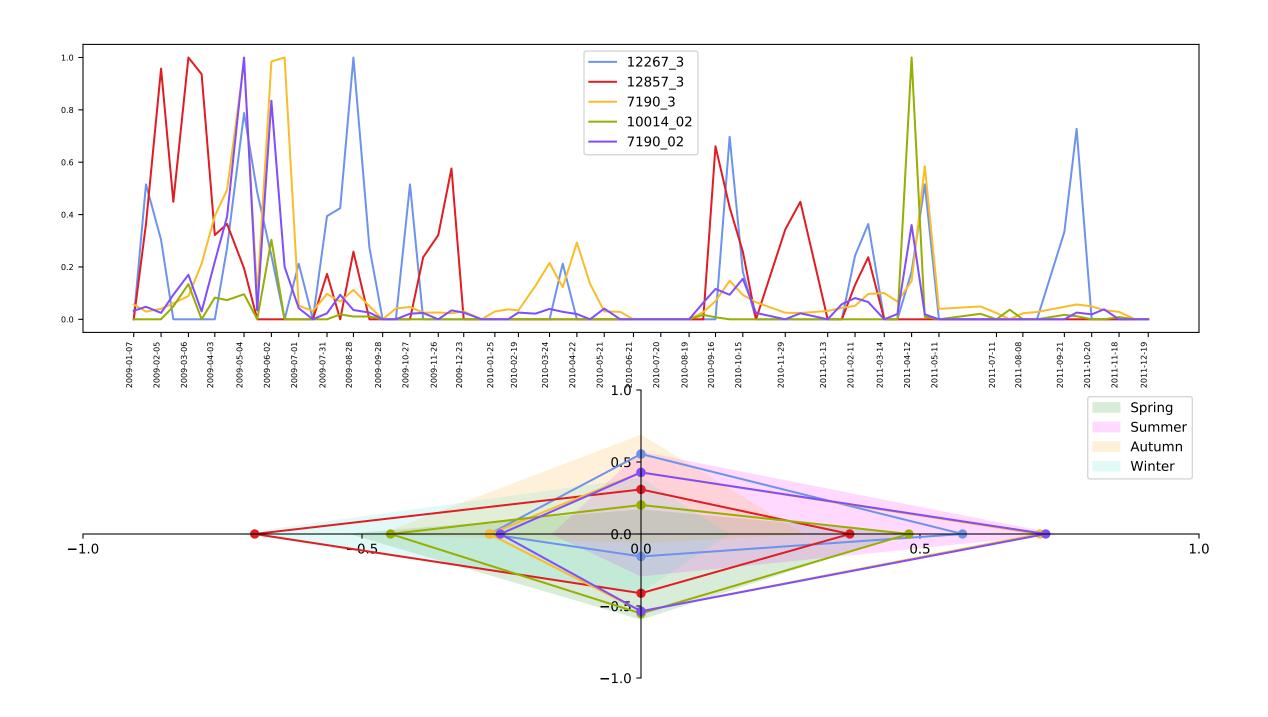
1987\_3 : Eukaryota|SAR|Alveolata



12267\_3 : Unknown

 $12857\_3: Eukaryota | SAR | Stramenopiles | MAST-3 | MAST-3A | uncultured\_eukaryote$ 

7190\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|Thalassiosira\_curviseriata 10014\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|Thalassiosira\_concaviuscula 7190\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|Thalassiosira\_curviseriata



5066\_02 : Eukaryota|Amorphea|Amoebozoa|Centrohelida

10305\_3: Eukaryota|SAR|Alveolata|Protalveolata|Syndiniales|Amoebophrya|uncultured\_alveolate

5159\_02: Eukaryota|SAR|Alveolata|Dinoflagellata|Dinophyceae|Peridiniphycidae|Thoracosphaeraceae|Pfiesteria|Pfiesteria\_sp.\_B112456

9718\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira\_proschkinae

5751 02 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured eukaryote

2104 3 : Eukaryota|SAR|Alveolata

6556\_3: Eukaryota|Cryptophyceae|Cryptomonadales|uncultured\_eukaryote

2601\_02 : Eukaryota|SAR|Alveolata

9017\_02: Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Brockmanniella\_brockmannii

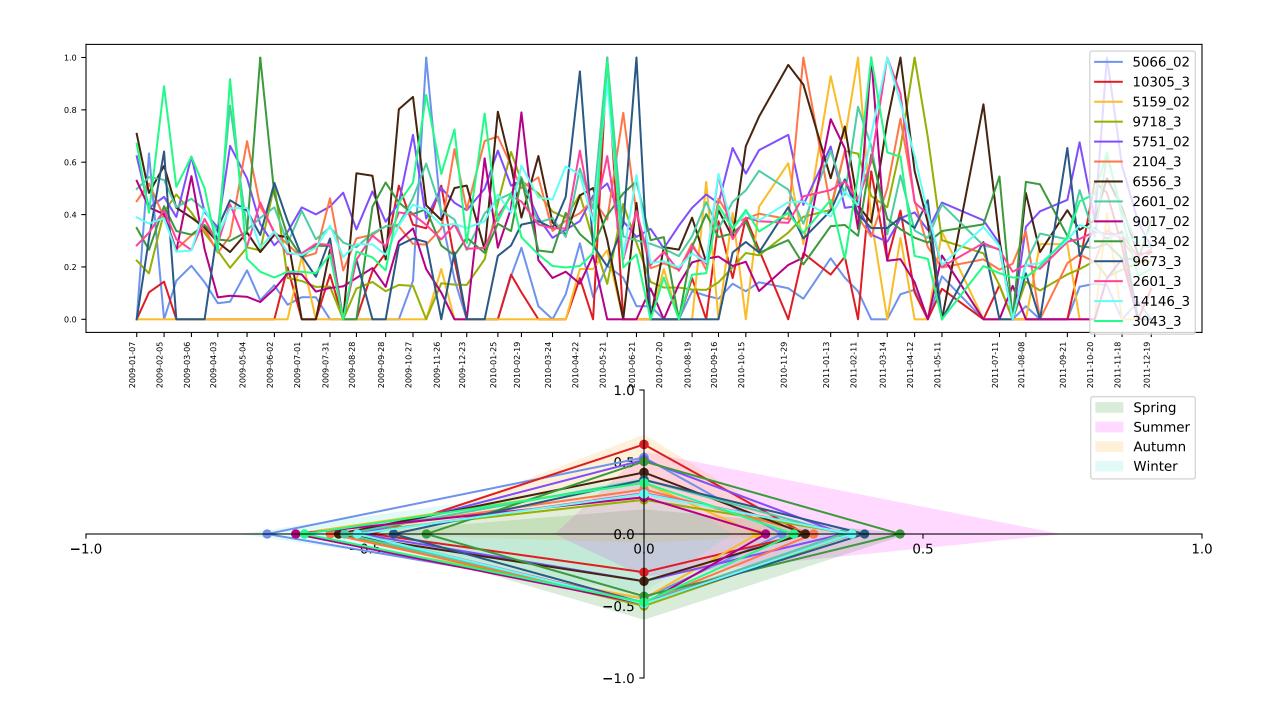
1134\_02 : Bacteria|Proteobacteria|Gammaproteobacteria|Thiomicrospirales|Thioglobaceae|SUP05\_cluster

9673\_3: Eukaryota|Archaeplastida|Chloroplastida|Chlorophyta|Nephroselmis\_pyriformis

2601\_3 : Eukaryota|SAR|Alveolata

14146 3 : Eukaryota|SAR|Alveolata

3043\_3 : Eukaryota|SAR|Alveolata|Protalveolata|Syndiniales|Syndiniales\_Group\_II|uncultured\_eukaryote



 $5990\_3: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae | Gymnodiniphycidae | Gymnodinium\_clade | Warnowia | Warnowia\_sp.\_BSL-2009ae | Gymnodinium\_clade | Warnowia | Warnowia\_sp.\_BSL-2009ae | Gymnodinium\_clade | Warnowia | Warnowia\_sp.\_BSL-2009ae | Gymnodinium\_clade | Gymnodinium\_clade | Warnowia | Warnowia\_sp.\_BSL-2009ae | Gymnodinium\_clade | Gymnodi$ 

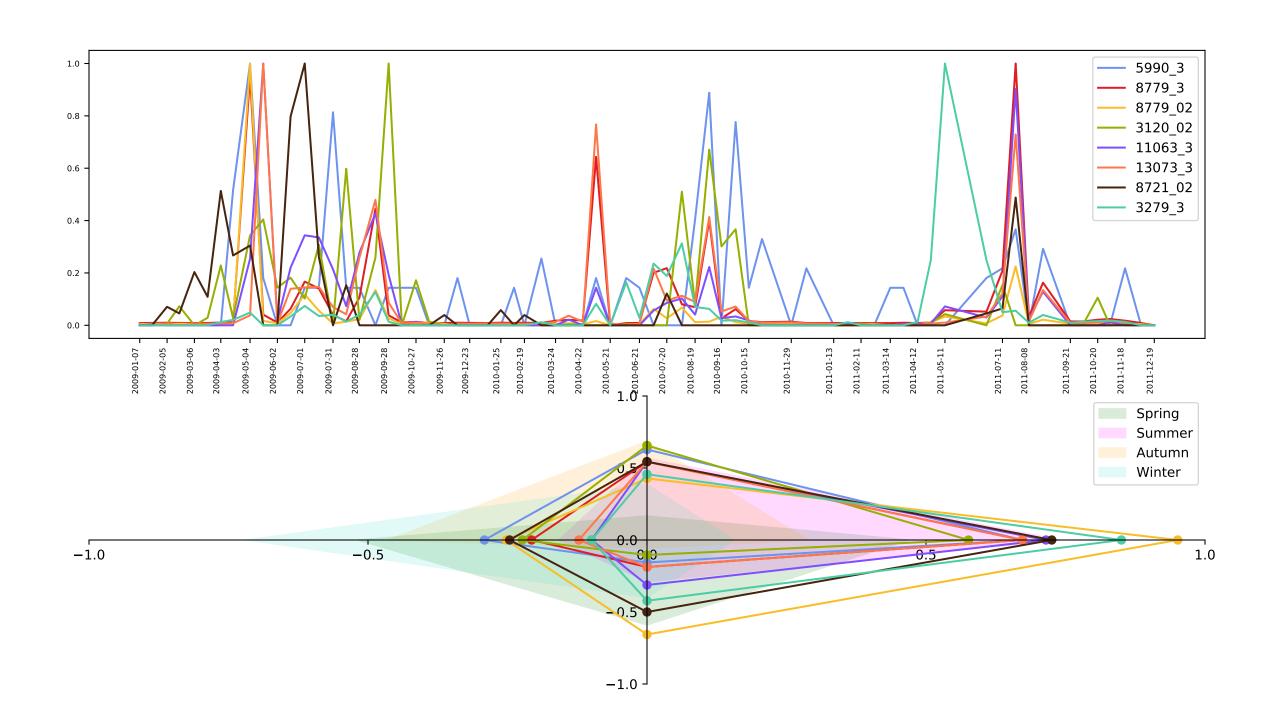
8779\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Coscinodiscophytina|Rhizosolenids|Guinardia|Rhizosolenia\_setigera

8779\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Coscinodiscophytina|Rhizosolenids|Guinardia|Rhizosolenia\_setigera 3120\_02 :

Eukaryota|Stramenopiles|Bacillariophyta|Coscinodiscophyceae|Rhizosoleniophycidae|Rhizosoleniales|Rhizosoleniaceae|g:Rhizosolenia|Rhizosolenia+setigera

13073\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Coscinodiscophytina|Rhizosolenids|Guinardia|Rhizosolenia\_setigera

8721\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Chaetoceros|Chaetoceros\_sp.\_RCC2564 3279\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Coscinodiscophytina|Rhizosolenids|Guinardia|Rhizosolenia\_setigera



1649\_3: Bacteria|Proteobacteria|Gammaproteobacteria|Cellvibrionales|Halieaceae|OM60(NOR5)\_clade|uncultured\_marine\_bacterium

 $3352\_3: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae | Gymnodiniphycidae | Gyrodinium | uncultured\_eukaryote | Compared to the property of the$ 

1765 02 : Eukaryota|Archaeplastida|Chloroplastida|Chlorophyta|Mamiellophyceae|uncultured|uncultured Mamiellophyceae

2872\_3 : Eukaryota|Archaeplastida|Chloroplastida|Chlorophyta|Mamiellophyceae|Mamiellales

2872\_02 : Eukaryota|Archaeplastida|Chloroplastida|Chlorophyta|Mamiellophyceae|Mamiellales

484 02 : Bacteria|Cyanobacteria|Cyanobacteriia|Chloroplast

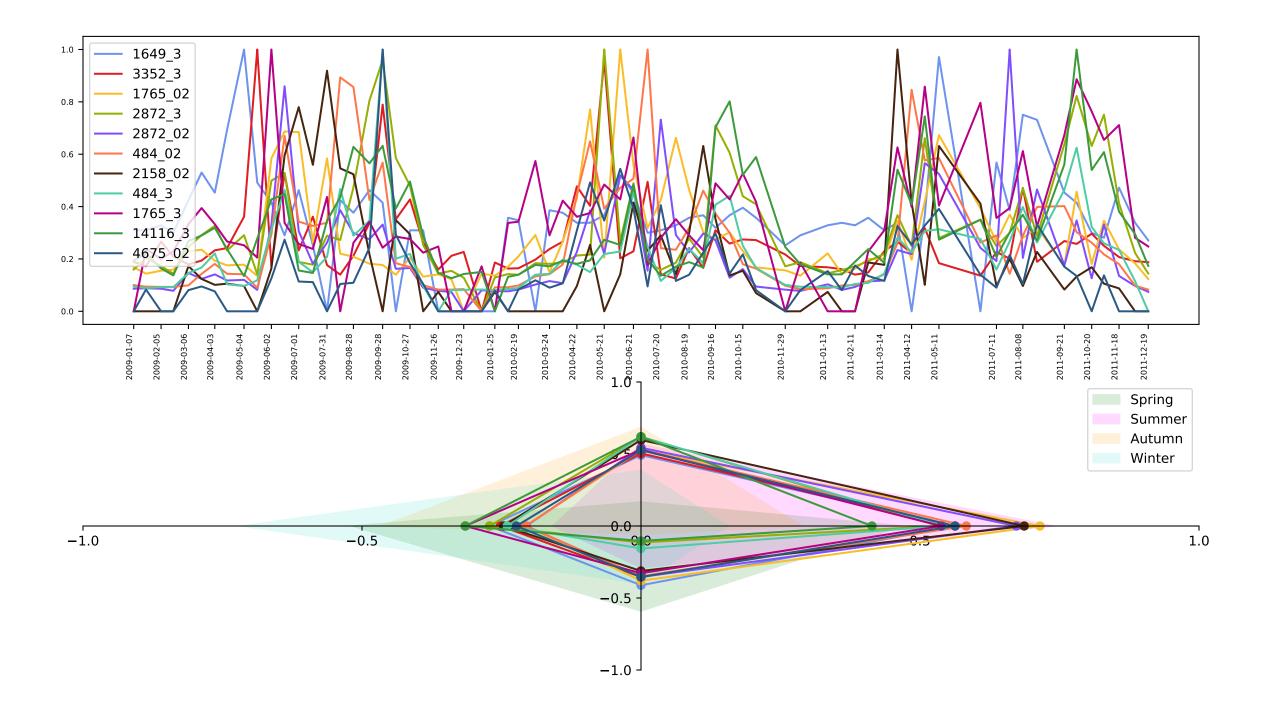
 $2158\_02: Eukaryota | SAR | Stramenopiles | Ochrophyta | Raphidophyceae | Chattonella | SAR | Stramenopiles | Chattonella | SAR | Stramenopiles | Chattonella | Chattonella | SAR | Stramenopiles | Chattonella | C$ 

484\_3 : Bacteria|Cyanobacteria|Cyanobacteriia|Chloroplast

1765\_3 : Eukaryota|Archaeplastida|Chloroplastida|Chlorophyta|Mamiellophyceae|uncultured|uncultured\_Mamiellophyceae

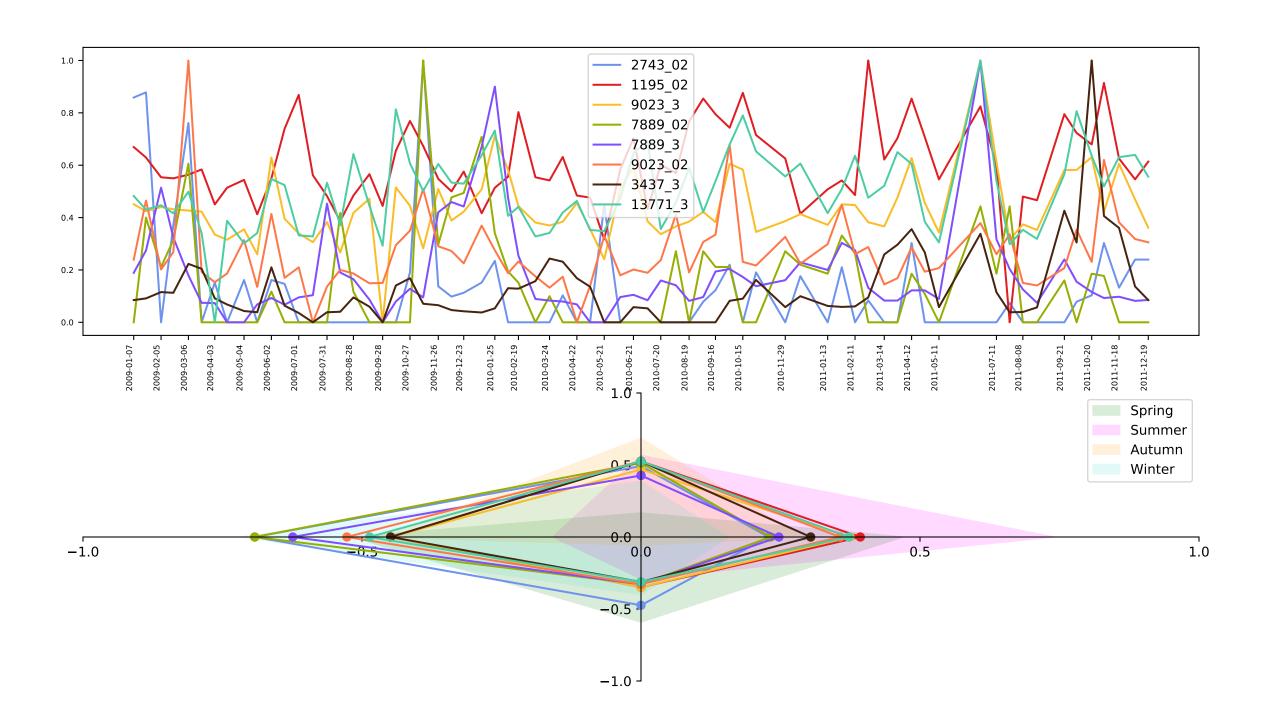
14116 3 : Eukaryota|Archaeplastida|Chloroplastida|Chlorophyta|Mamiellophyceae|Mamiellales|Ostreococcus

 $4675\_02: Eukaryota|Archaeplastida|Chloroplastida|Chlorophyta|Mamiellophyceae|Mamiellales|Archaeplastida|Chlorophyta|Mamiellophyceae|Mamiellales|Archaeplastida|Chlorophyta|Mamiellophyceae|Mamiellales|Archaeplastida|Chlorophyta|Mamiellophyceae|Mamiellales|Archaeplastida|Chlorophyta|Mamiellophyceae|Mamiellales|Archaeplastida|Chlorophyta|Mamiellophyceae|Mamiellales|Archaeplastida|Chlorophyta|Mamiellophyceae|Mamiellales|Archaeplastida|Chlorophyta|Mamiellophyceae|Mamiellales|Archaeplastida|Chlorophyta|Mamiellales|Archaeplastida|Chlorophyta|Mamiellales|Archaeplastida|Chlorophyta|Mamiellales|Archaeplastida|Chlorophyta|Mamiellales|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Archaeplastida|Chlorophyta|Chlorophyta|Chlorophyta|Archaeplastid$ 

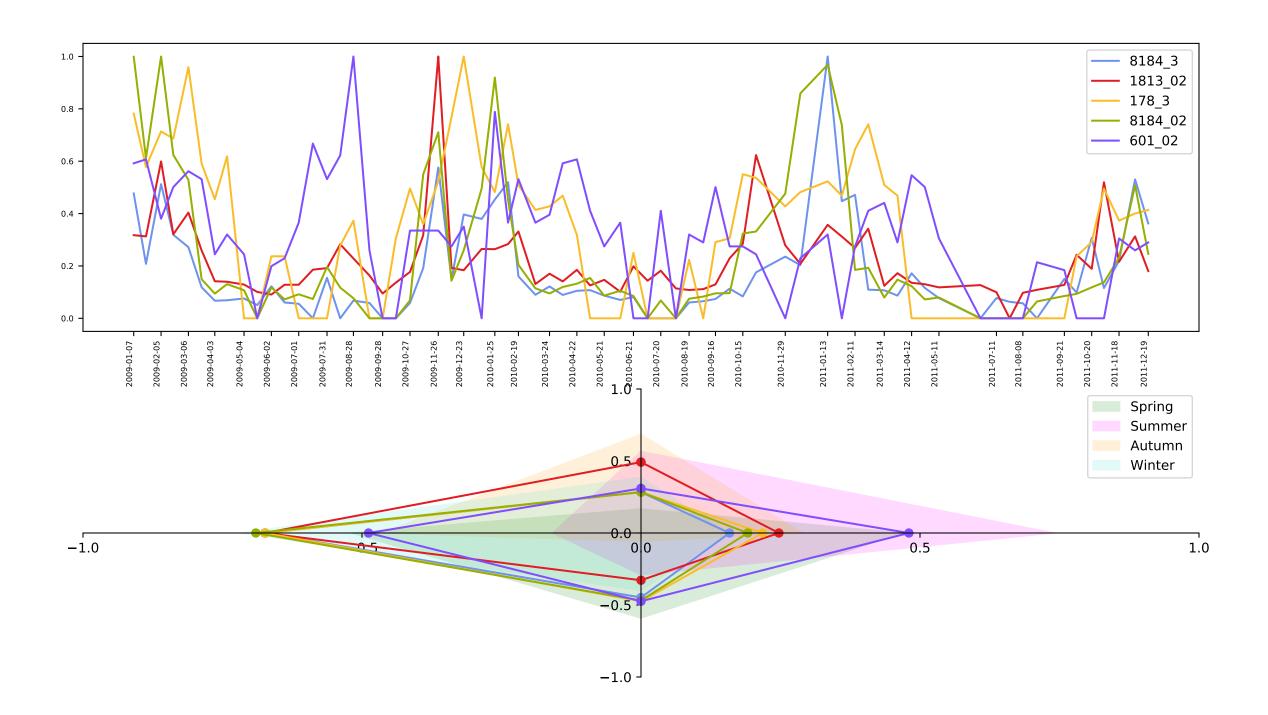


2743\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Bacillariophyceae|Navicula|uncultured\_marine\_eukaryote 1195\_02 : Bacteria|Proteobacteria|Alphaproteobacteria|Parvibaculales|OCS116\_clade

9023\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|uncultured\_stramenopile 7889\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|Thalassiosira\_pseudonana 7889\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|Thalassiosira\_pseudonana 9023\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|uncultured\_stramenopile 3437\_3 : Eukaryota|SAR|Rhizaria|Cercozoa|Novel\_Clade\_2|uncultured\_Cercozoa 13771\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|uncultured\_stramenopile



8184\_3 : Eukaryota|SAR|Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria 1813\_02 : Eukaryota|Picozoa|Picomonadida|uncultured\_Zygnematales 178\_3 : Bacteria|Proteobacteria|Alphaproteobacteria|Rhodobacterales|Rhodobacteraceae|uncultured 8184\_02 : Eukaryota|SAR|Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria 601\_02 : Bacteria|Planctomycetota|Planctomycetes|Pirellulales|Pirellulaceae|Blastopirellula|uncultured\_bacterium



3732\_02 : Eukaryota|SAR|Alveolata

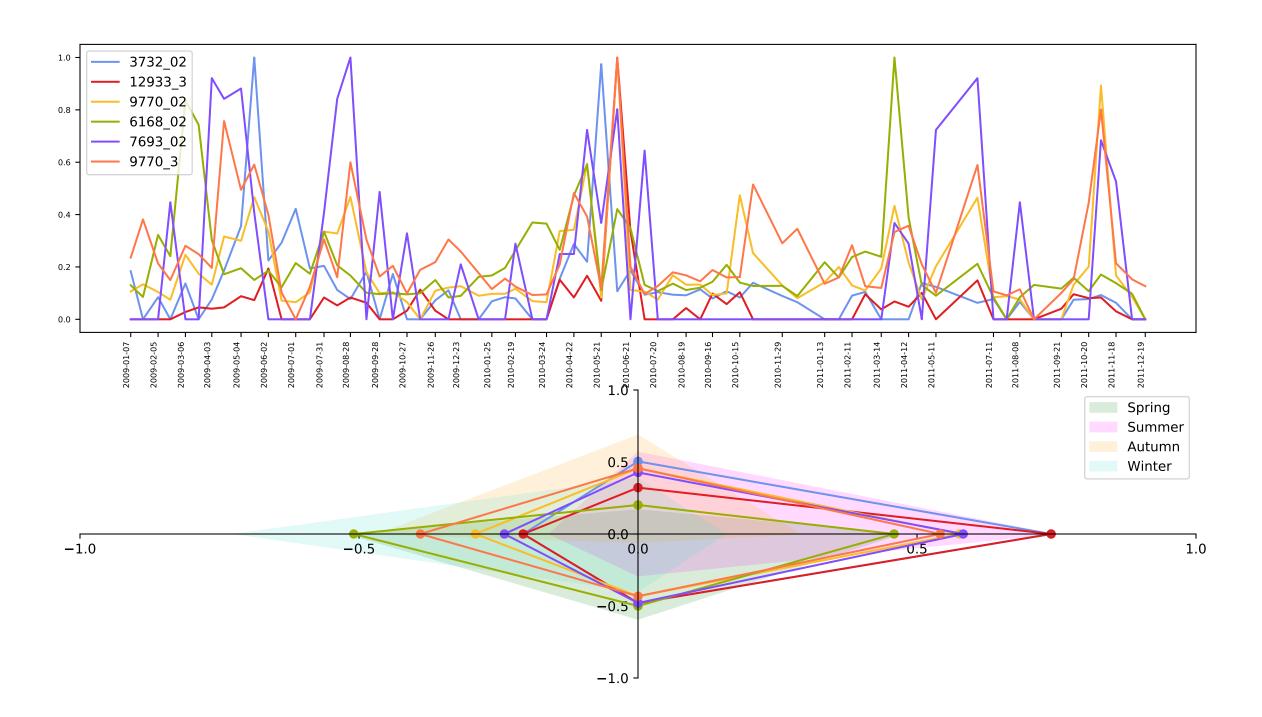
 $12933\_3: Eukaryota | SAR|Rhizaria | Cercozoa | Novel\_Clade\_2 | uncultured\_Cercozoa | Novel\_Clade\_3 | uncultured\_Cercozoa | Novel\_Cercozoa | Novel\_Ce$ 

9770\_02 : Eukaryota|SAR|Alveolata

 $6168\_02: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae$ 

7693\_02 : Eukaryota|SAR|Alveolata|Protalveolata|Syndiniales|Syndiniales\_Group\_II|uncultured\_marine\_alveolate

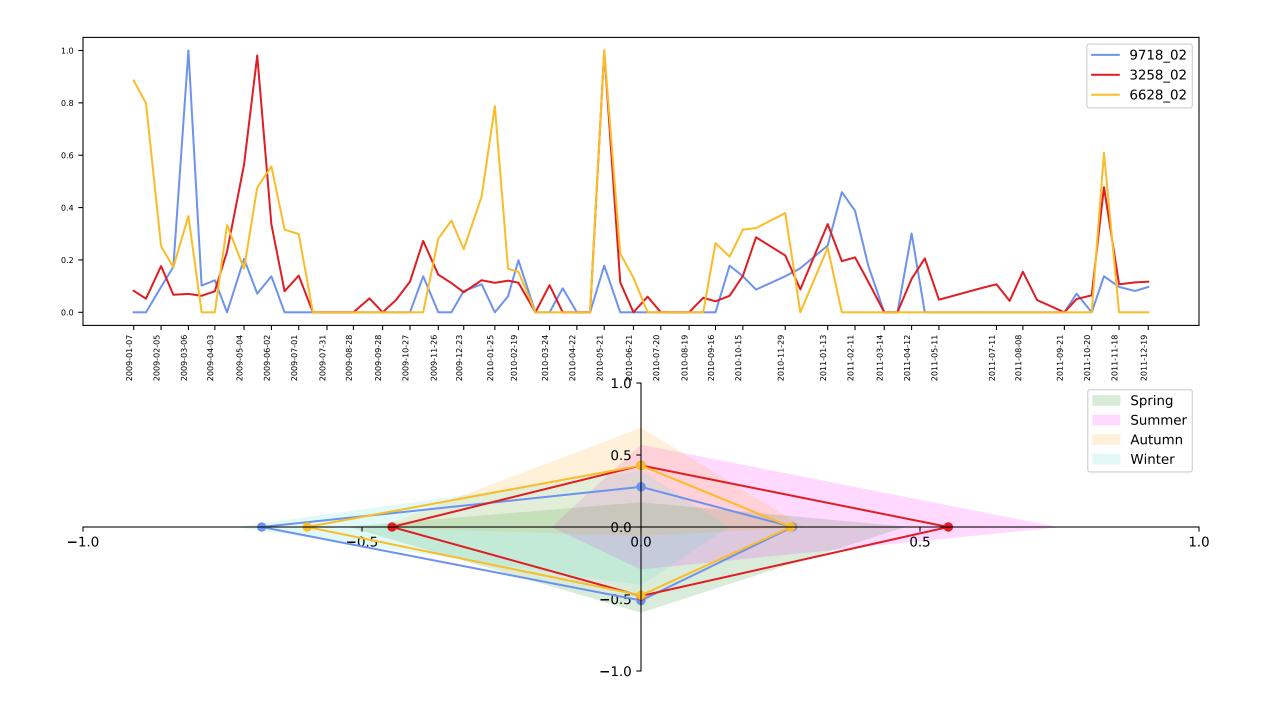
9770\_3 : Eukaryota|SAR|Alveolata



 $9718\_02: Eukaryota | SAR| Stramenopiles | Ochrophyta | Diatomea | Bacillari ophytina | Mediophyceae | Thalassiosira\_proschkinae | Contract of the property o$ 

3258\_02 : Eukaryota|SAR|Alveolata|Dinoflagellata|Dinophyceae|Gymnodiniphycidae|Gyrodinium

6628\_02 : Eukaryota|SAR|Alveolata



 $5448\_3: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae | Gymnodini phycidae$ 

13601\_3 : Eukaryota|SAR|Alveolata

 $5448\_02: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae | Gymnodini phycidae$ 

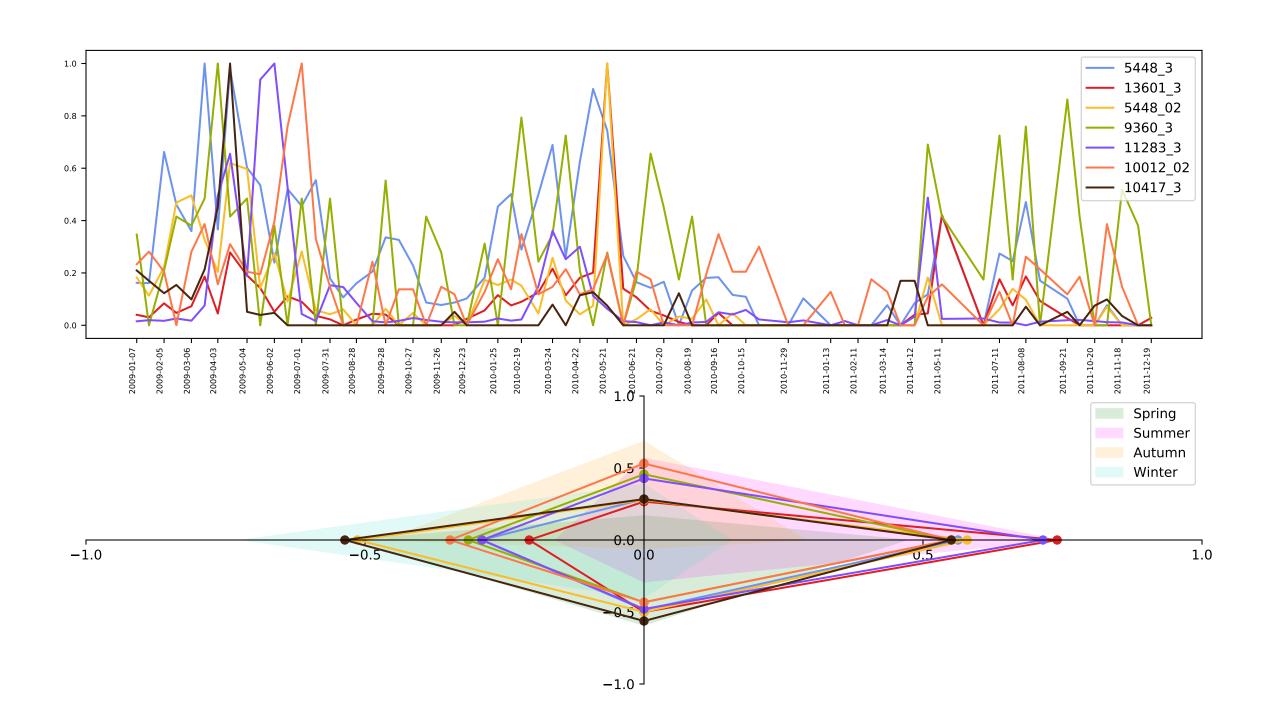
 $9360\_3: Eukaryota | SAR| Alveolata | Ciliophora | Intramacronucleata | Spirotrichea | Oligotrichia | Strombidium | uncultured\_eukaryote | Sarabana | Ciliophora | Intramacronucleata | Spirotrichea | Oligotrichia | Strombidium | uncultured\_eukaryote | Sarabana | Ciliophora | Intramacronucleata | Spirotrichea | Oligotrichia | Strombidium | uncultured\_eukaryote | Sarabana | Ciliophora | Intramacronucleata | Spirotrichea | Oligotrichia | Strombidium | uncultured\_eukaryote | Ciliophora | Oligotrichia | Sarabana | Ciliophora | Oligotrichia | O$ 

11283\_3:

Eukaryota | Stramenopiles | Bacillariophyta | Coscinodiscophyceae | Thalassiosirophycidae | Thalassiosirales | Skeletone mataceae | g:Skeletone ma | Skeletone ma + medical properties | Skeletone mataceae | g:Skeletone ma | Skeletone ma + medical properties | Skeletone mataceae | g:Skeletone mata

10012\_02 : Eukaryota|Picozoa|uncultured\_phototrophic\_eukaryote

10417\_3 : Eukaryota|Stramenopiles|Raphidophyceae|Chattonellales|Chattonellaceae|g:Chattonella|Chattonella+subsalsa



 $5163\_02: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae | Gymnodini phycidae | uncultured llate | Compared to the property of th$ 

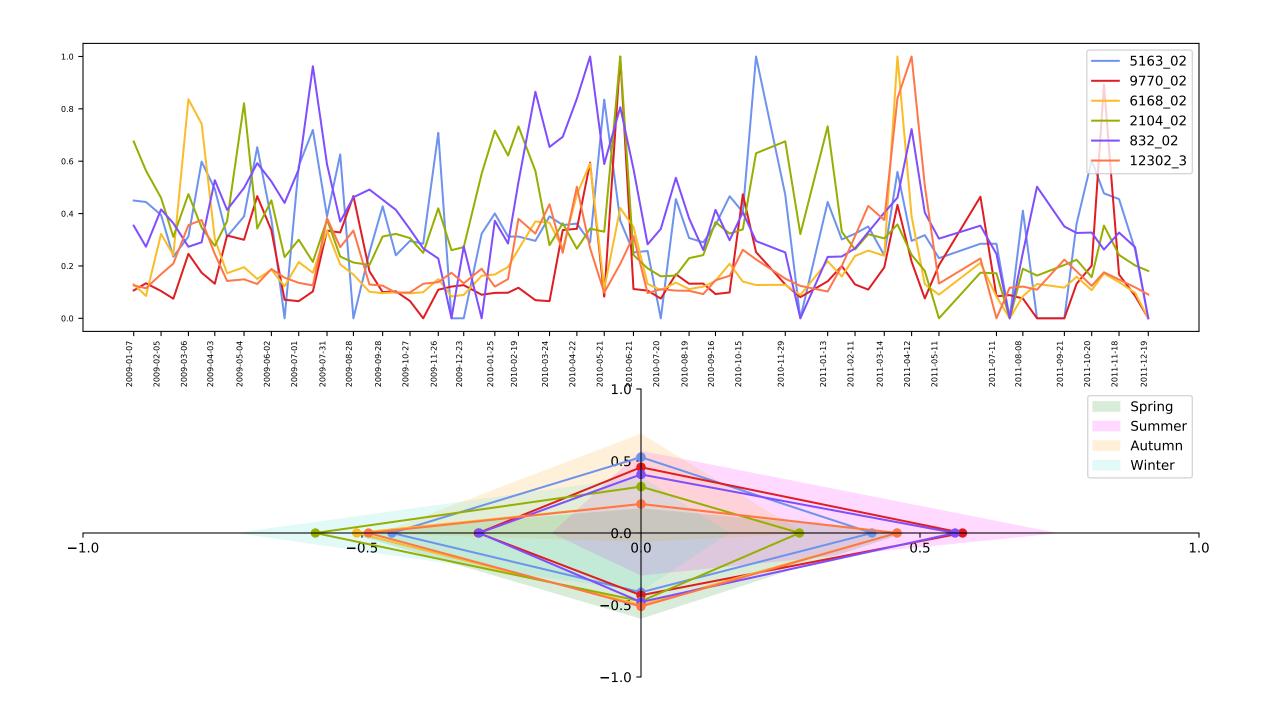
9770\_02 : Eukaryota|SAR|Alveolata

6168\_02 : Eukaryota|SAR|Alveolata|Dinoflagellata|Dinophyceae

2104\_02 : Eukaryota|SAR|Alveolata

 $832\_02: Bacteria | Cyanobacteria | Chloroplast | Teleaulax\_amphioxeia$ 

 $12302\_3: Eukaryota | Alveolata | Dinophyceae | Peridiniales | Heterocapsaceae | g: Heterocapsa | Heterocapsa+rotundata | Peridiniales | Heterocapsaceae | G: Heterocapsa | Heterocapsa+rotundata | Heterocapsa | H$ 



10378\_3 : Eukaryota|SAR|Stramenopiles|MAST-3|MAST-3F|uncultured\_eukaryote

 $9718\_02: Eukaryota | SAR| Stramenopiles | Ochrophyta| Diatomea | Bacillariophytina | Mediophyceae | Thalassiosira\_proschkinae | Carlon |$ 

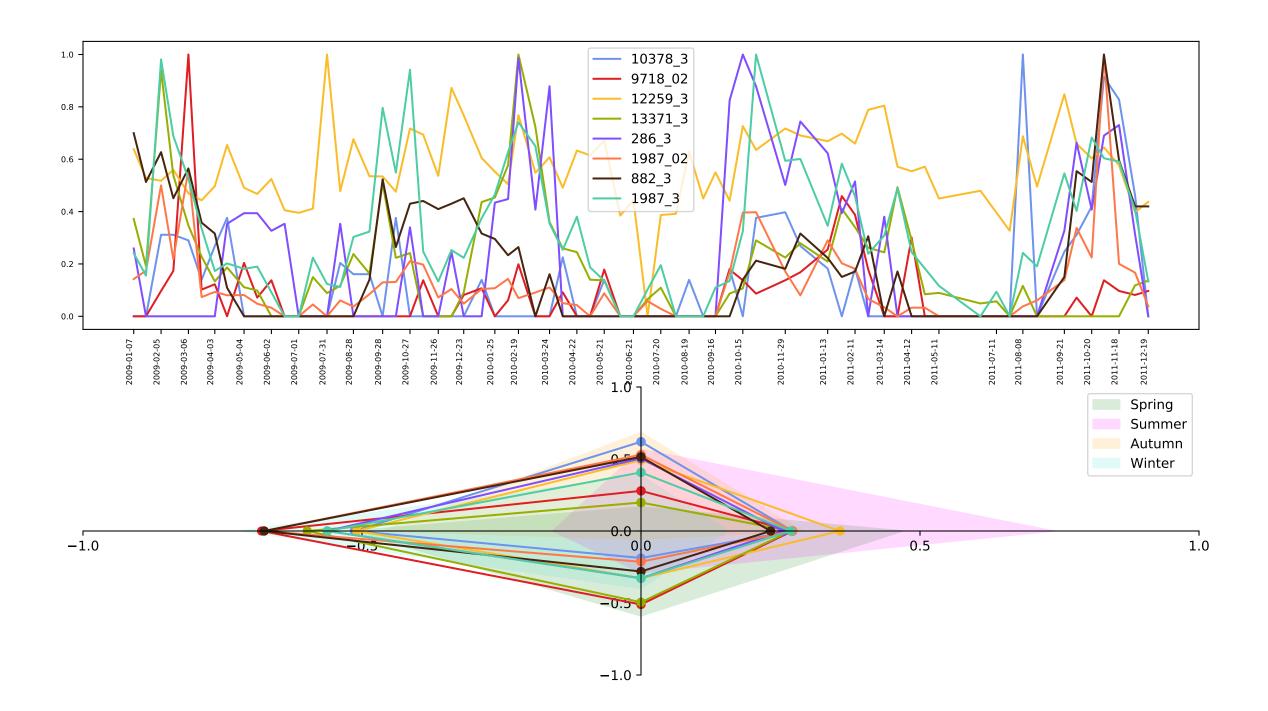
 $12259\_3: Eukaryota | Cryptophyta | Pyrenomonadales | Geminigeraceae | g:Guillardia | Guillardia + the talk of the control of$ 

 $13371\_3: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae | Gymnodiniphycidae | Gymnodinium\_clade | Carlot and Carlot an$ 

1987\_02 : Eukaryota|SAR|Alveolata

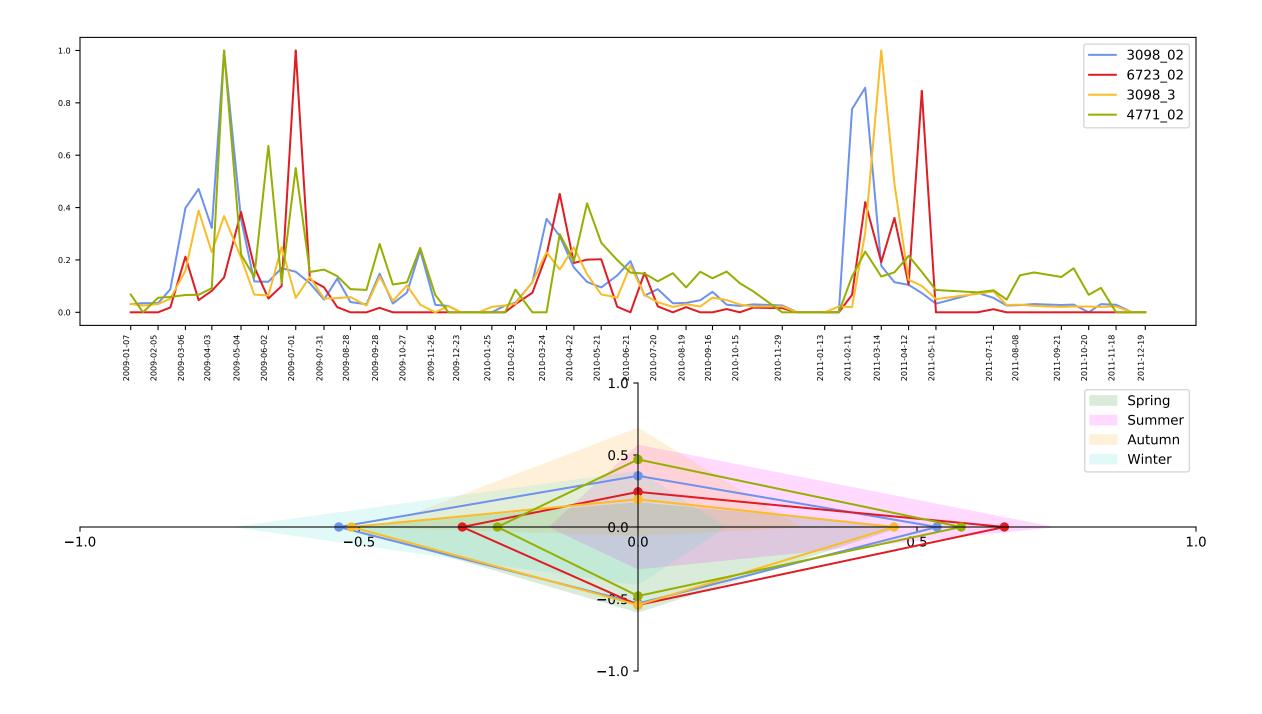
 $882\_3: Bacteria | Marinimic robia\_(SAR406\_clade) | uncultured\_bacterium$ 

1987\_3 : Eukaryota|SAR|Alveolata



3098\_02 : Eukaryota|SAR|Alveolata 6723\_02 : Eukaryota|SAR|Alveolata|Protalveolata|Syndiniales|Amoebophrya|uncultured\_dinoflagellate

3098\_3 : Eukaryota|SAR|Alveolata 4771\_02 : Eukaryota|SAR|Alveolata



 $5163\_02: Eukaryota | SAR| Alveolata | Dinoflage II ata | Dinophyceae | Gymnodini phycidae | uncultured ata | Dinophyceae | Dinophyce$ 

6168\_3 : Eukaryota|SAR|Alveolata|Dinoflagellata|Dinophyceae

9770\_02 : Eukaryota|SAR|Alveolata

 $7791\_3: Eukaryota | SAR| Stramenopiles | Ochrophyta | Diatomea | Bacillariophytina | Mediophyceae | Thalassiosira | Thalassiosira \_minima | Mediophyceae | Thalassiosira \_minima | Thalassiosira \_minima | Thalassiosira \_minima | Thalassiosira \_minima$ 

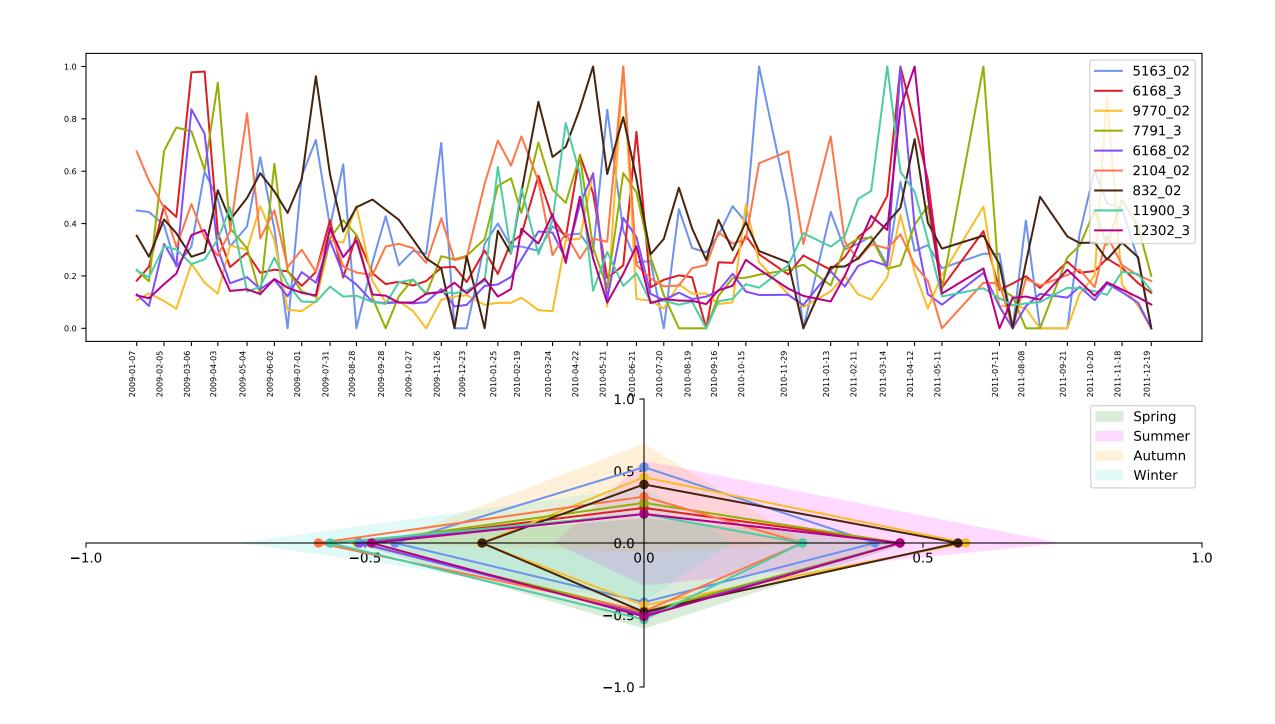
6168\_02 : Eukaryota|SAR|Alveolata|Dinoflagellata|Dinophyceae

2104\_02 : Eukaryota|SAR|Alveolata

832\_02 : Bacteria|Cyanobacteria|Cyanobacteriia|Chloroplast|Teleaulax\_amphioxeia

11900\_3:

Eukaryota|Stramenopiles|Bacillariophyta|Coscinodiscophyceae|Thalassiosirophycidae|Thalassiosirales|Skeletonemataceae|g:Skeletonema|Skeletonema+subsides|12302\_3 : Eukaryota|Alveolata|Dinophyceae|Peridiniales|Heterocapsaceae|g:Heterocapsa|Heterocapsa+rotundata



2313\_3 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax|uncultured\_eukaryote

8621\_3 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax

9435\_3 : Eukaryota|SAR|Alveolata|Dinoflagellata|Dinophyceae|Peridiniphycidae|Peridiniales|Protoperidinium|uncultured\_dinoflagellate

2313\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax|uncultured\_eukaryote

323\_02 : Bacteria|Cyanobacteria|Cyanobacteriia|Chloroplast

8375\_3 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax

8375\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax

 $12833\_3: Eukaryota | Cryptophyceae | Cryptomonadales | Teleaulax$ 

6084\_02 : Eukaryota|Cryptophyceae|Cryptomonadales

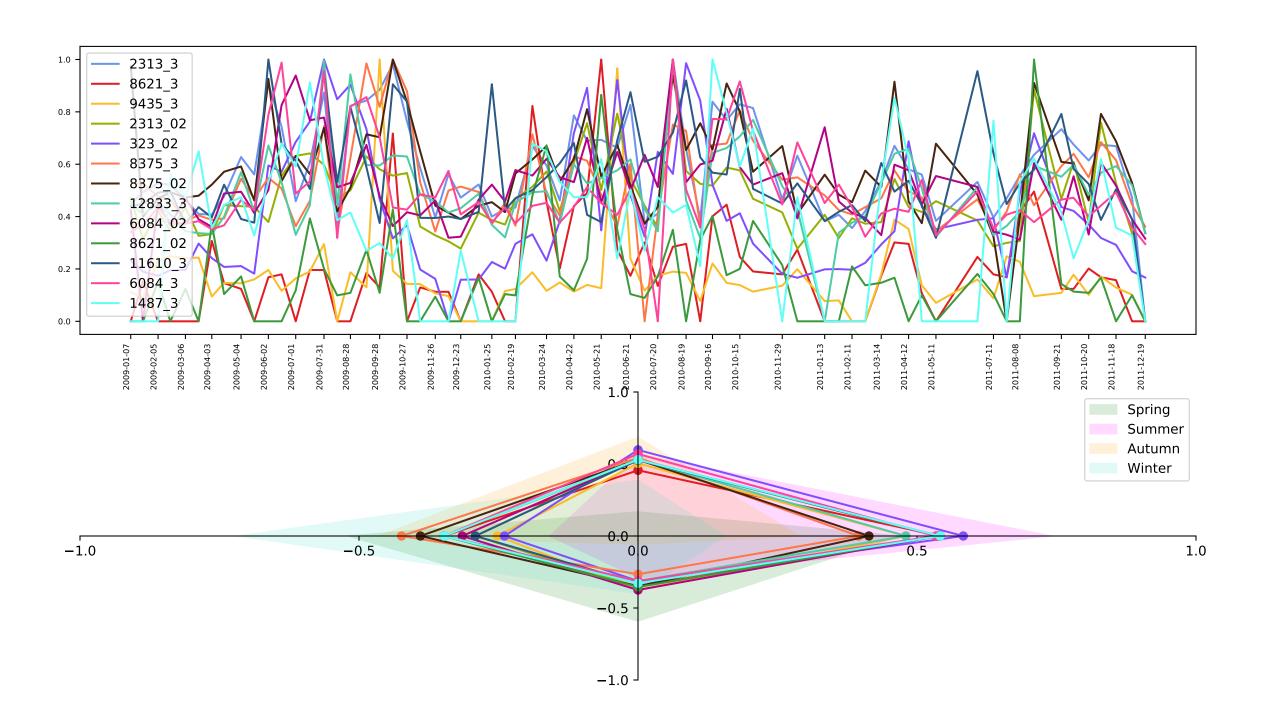
 $8621\_02: Eukaryota | Cryptophyceae | Cryptomonadales | Teleaulax$ 

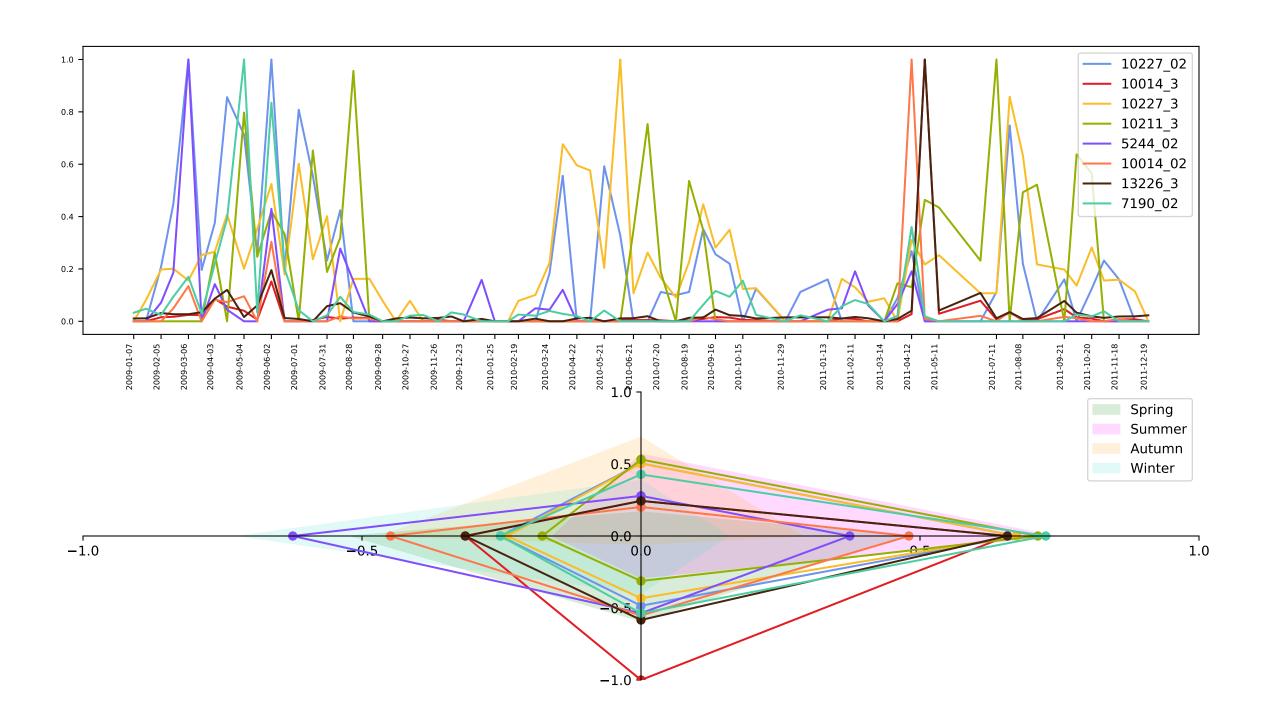
11610\_3:

Eukaryota | Stramenopiles| Bacillariophyta| Coscinodiscophyceae| Thalassiosirophycidae| Thalassiosirales| Thalassiosiraceae| g: Thalassiosira| Thalassiosira+pseucondiscophyceae| Thalassiosiraceae| g: Thalassiosira| Thalassiosira+pseucondiscophyceae| Thalassiosiraceae| g: Thalassiosir

6084\_3 : Eukaryota|Cryptophyceae|Cryptomonadales

1487\_3 : Bacteria|Cyanobacteria|Cyanobacteriia|Chloroplast





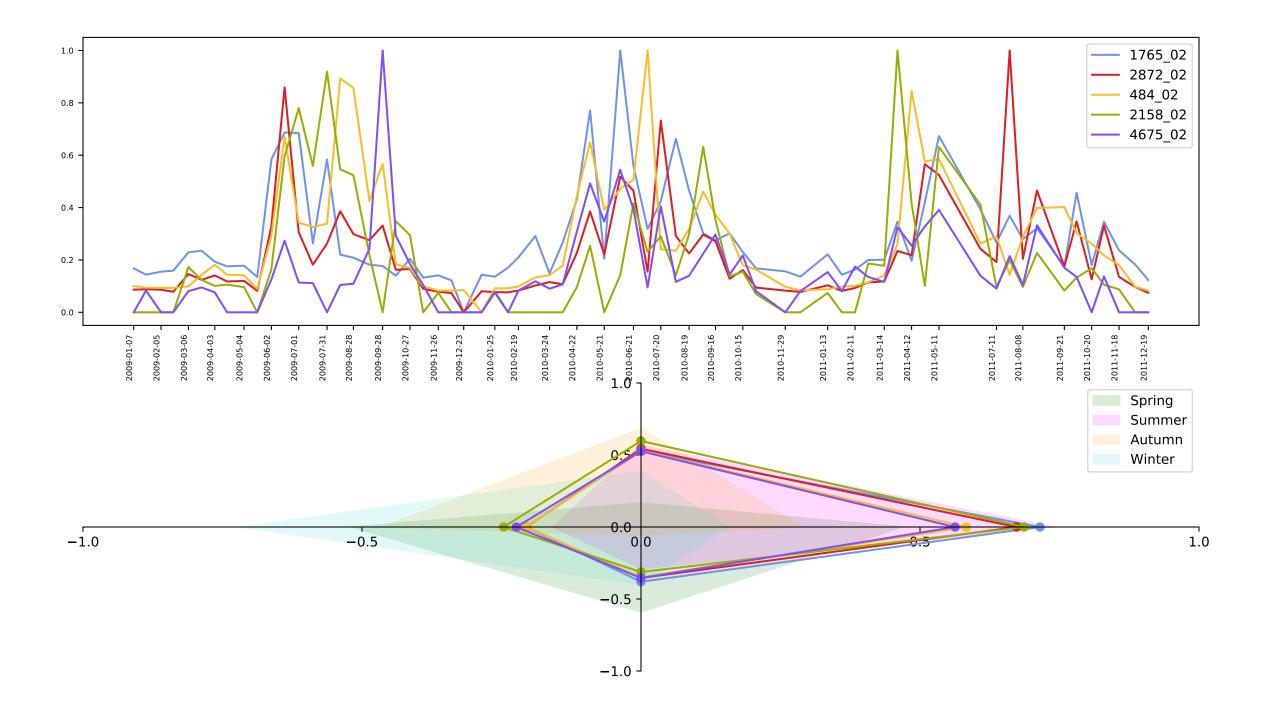
 $1765\_02: Eukaryota | Archaeplastida | Chlorophyta | Mamiellophyceae | uncultured | uncultured \_ Mamiellophyceae | uncultured | uncult$ 

 $2872\_02: Eukaryota | Archae plastida | Chloroplastida | Chlorophyta | Mamiellophyceae | Mamiella | Les and Mamiella | Chlorophyta | Mamiella | Chlorophyta | Chlorophyta | Mamiella | Chlorophyta |$ 

484\_02 : Bacteria|Cyanobacteria|Cyanobacteriia|Chloroplast

 $2158\_02: Eukaryota | SAR| Stramenopiles | Ochrophyta | Raphidophyceae | Chattonella | SAR| Stramenopiles | Ochrophyta | Raphidophyceae | Chattonella | Chattonella | Chattonella | SAR| Stramenopiles | Ochrophyta | Raphidophyceae | Chattonella | Chattone$ 

 $4675\_02: Eukaryota | Archae plastida | Chloroplastida | Chlorophyta | Mamiellophycea e | Mamiella | Eukaryota | Chlorophyta | Mamiella | Chlorophyta | Chl$ 



 $5066\_02: Eukaryota | Amorphea | Amoebozoa | Centrohelida$ 

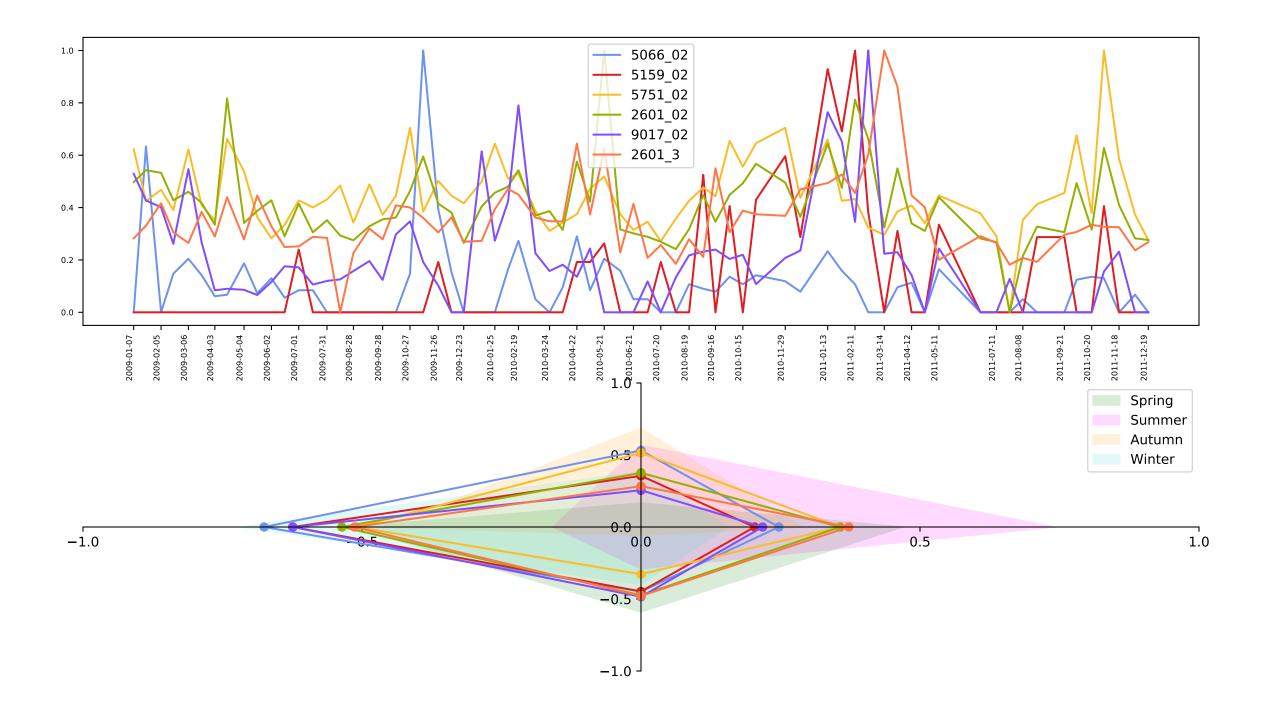
5159\_02 : Eukaryota|SAR|Alveolata|Dinoflagellata|Dinophyceae|Peridiniphycidae|Thoracosphaeraceae|Pfiesteria|Pfiesteria\_sp.\_B112456

5751\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured\_eukaryote

2601\_02 : Eukaryota|SAR|Alveolata

9017\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Brockmanniella\_brockmannii

2601\_3 : Eukaryota|SAR|Alveolata



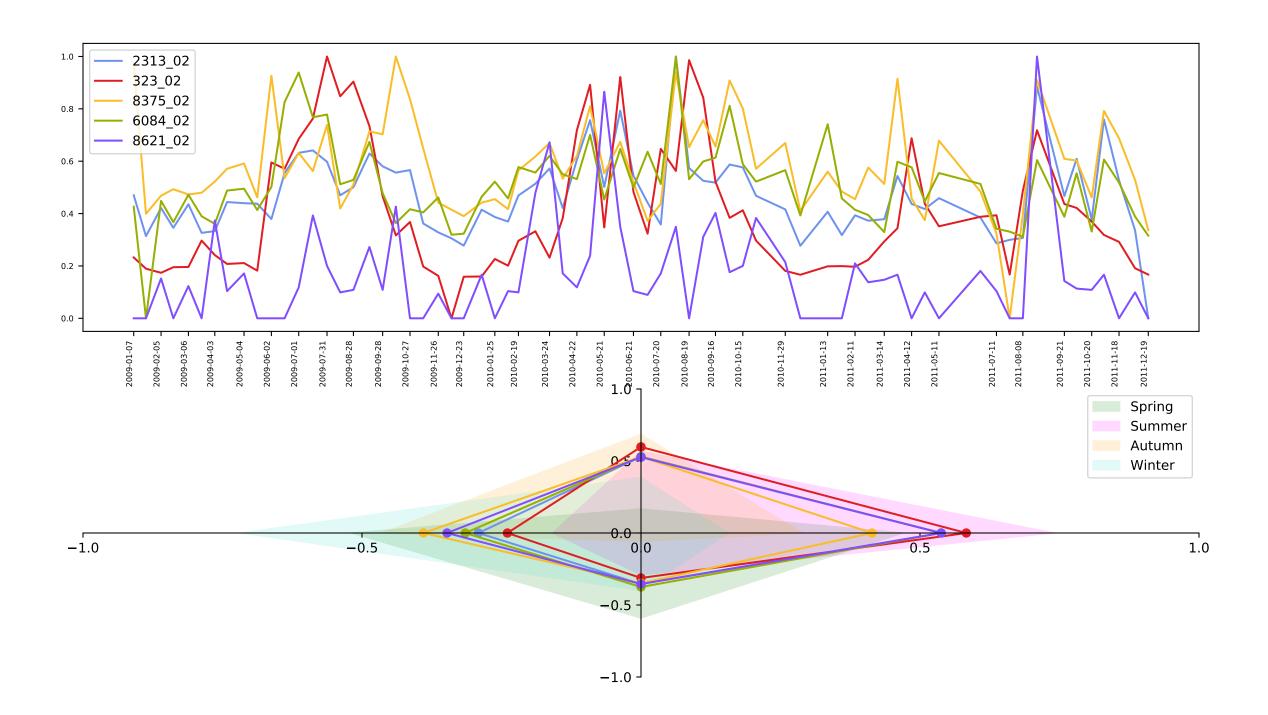
 $2313\_02: Eukaryota | Cryptophyceae | Cryptomonadales | Teleaulax | uncultured\_eukaryote$ 

323\_02 : Bacteria|Cyanobacteria|Cyanobacteriia|Chloroplast

8375\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax

6084\_02 : Eukaryota|Cryptophyceae|Cryptomonadales

8621\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax



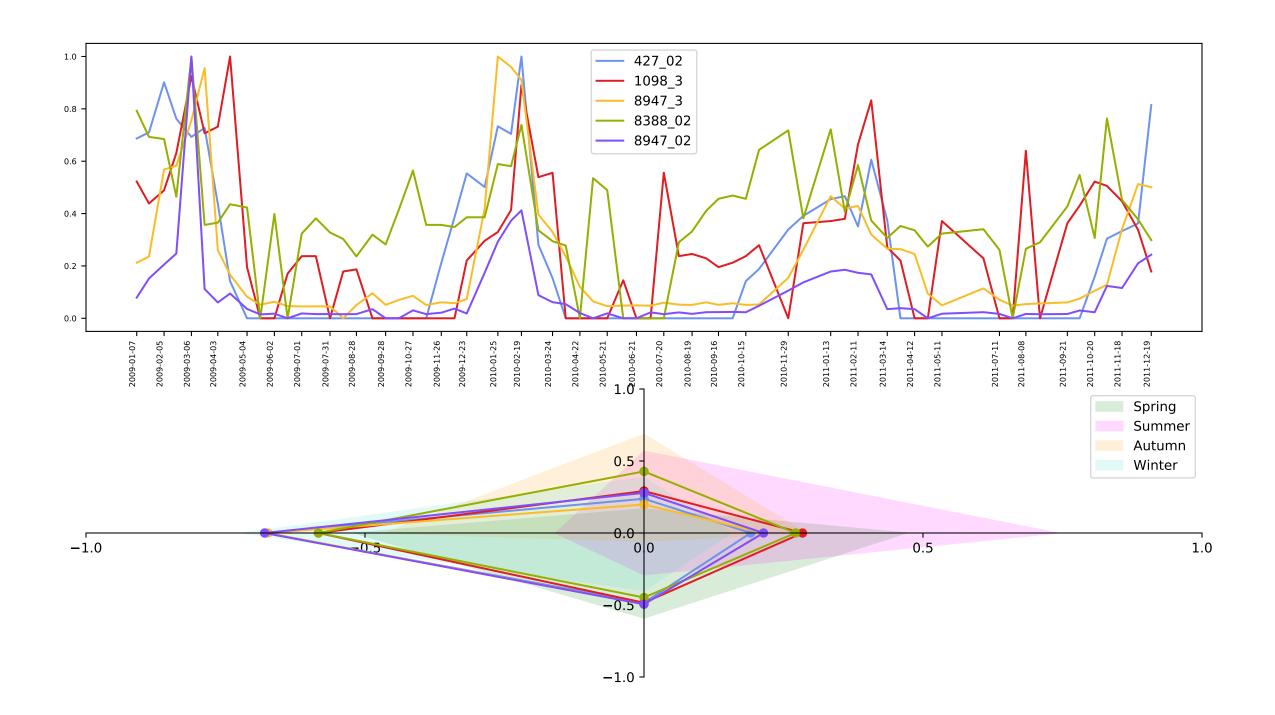
427\_02 : Archaea|Crenarchaeota|Nitrososphaeria|Nitrosopumilales|Nitrosopumilaceae|Candidatus\_Nitrosopelagicus|uncultured\_marine\_archaeon

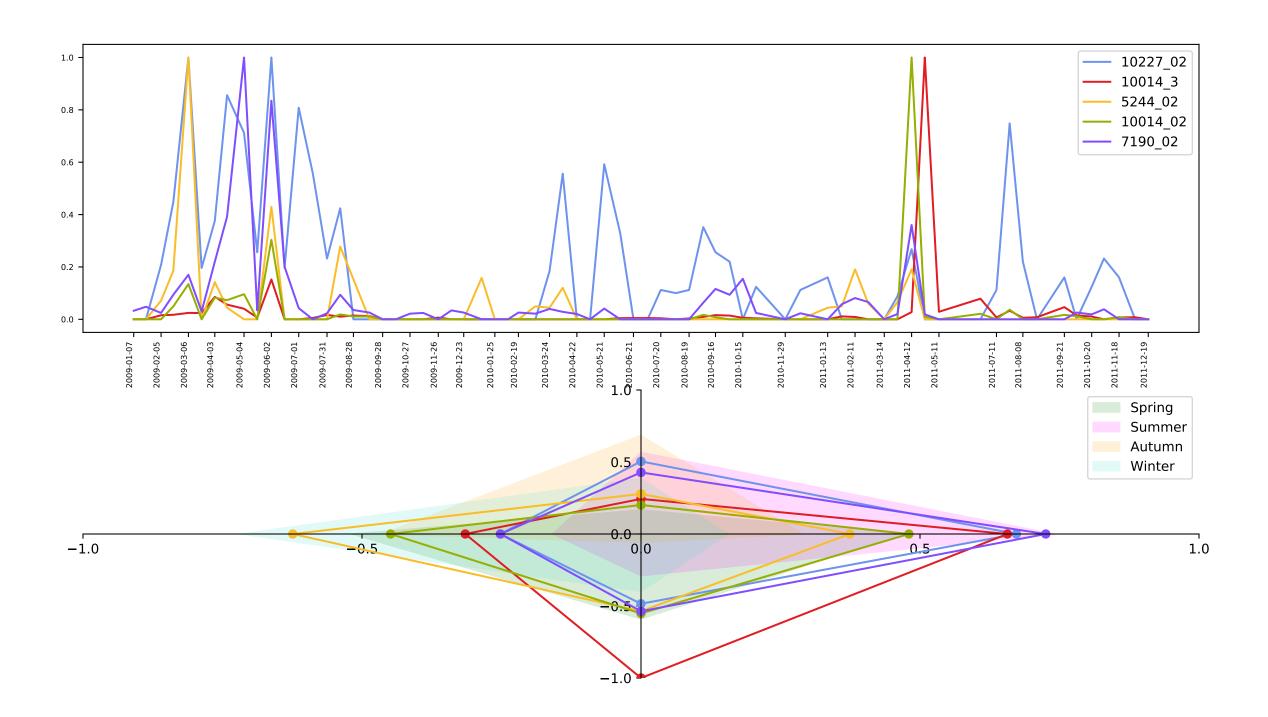
1098\_3 : Bacteria|Bacteroidota|Bacteroidia|Flavobacteriales|NS9\_marine\_group

 $8947\_3: Eukaryota | SAR| Stramenopiles | Ochrophyta | Diatomea | Bacillariophytina | Mediophyceae | Thalassiosira | uncultured\_Skeletonema | SAR| Stramenopiles | Ochrophyta | Diatomea | Bacillariophytina | Mediophyceae | Thalassiosira | uncultured\_Skeletonema | SAR| Stramenopiles | Ochrophyta | Diatomea | Bacillariophytina | Mediophyceae | Thalassiosira | uncultured\_Skeletonema | Ochrophyta | Diatomea | Diatomea$ 

8388 02 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured eukaryote

 $8947\_02: Eukaryota | SAR | Stramenopiles | Ochrophyta | Diatomea | Bacillariophytina | Mediophyceae | Thalassiosira | uncultured \_ Skeletonema | SAR | Stramenopiles | Ochrophyta | Diatomea | Bacillariophytina | Mediophyceae | Thalassiosira | uncultured \_ Skeletonema | SAR | Stramenopiles | Ochrophyta | Diatomea | Bacillariophytina | Mediophyceae | Thalassiosira | uncultured \_ Skeletonema | Ochrophyta | Diatomea |$ 





12267\_3 : Unknown

12857\_3 : Eukaryota|SAR|Stramenopiles|MAST-3|MAST-3A|uncultured\_eukaryote

356 3 : Bacteria|Bacteroidota|Bacteroidia|Flavobacteriales|Flavobacteriaceae

1687 3 : Bacteria|Cyanobacteria|Cyanobacteriia|Chloroplast|uncultured bacterium

11283 3:

Eukaryota | Stramenopiles | Bacillariophyta | Coscinodiscophyceae | Thalassiosirophycidae | Thalassiosirales | Skeletone mataceae | g:Skeletone ma | Skeletone ma + median | Skeletone mataceae | g:Skeletone ma | Skeletone ma + median | Skeletone mataceae | g:Skeletone matac

7190\_3: Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|Thalassiosira\_curviseriata

2743 3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Bacillariophyceae|Navicula|uncultured marine eukaryote

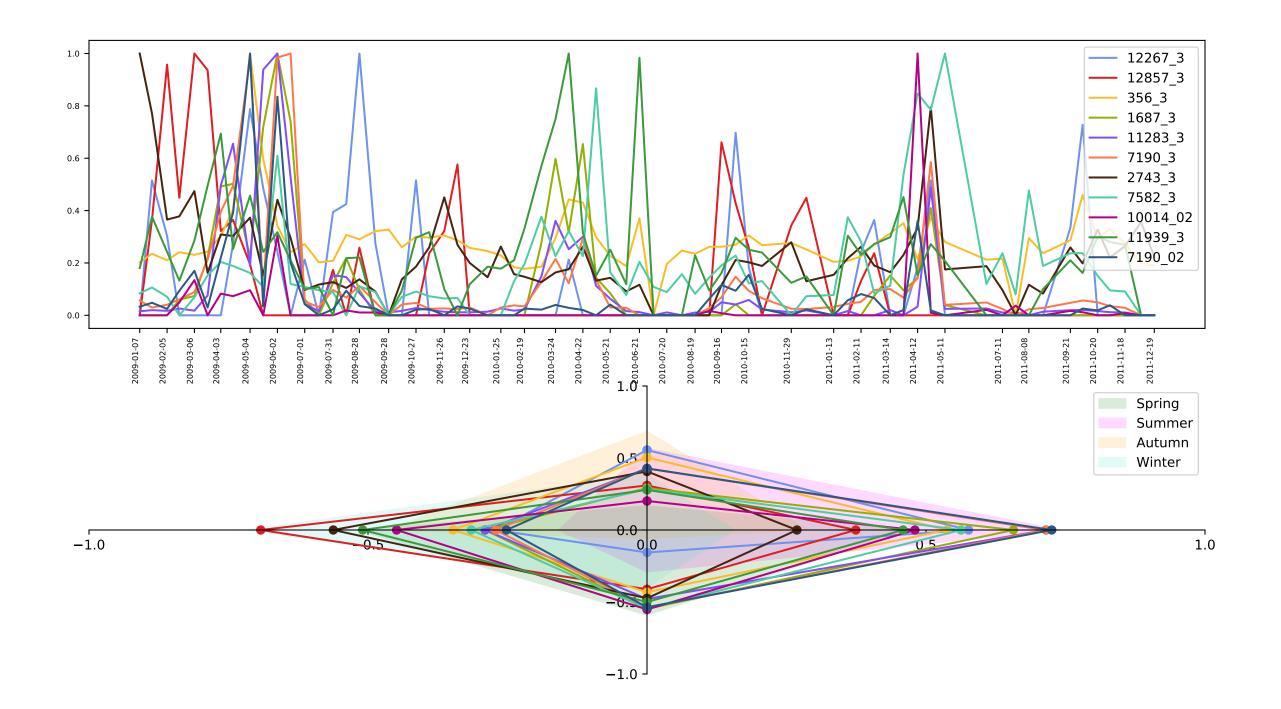
7582\_3 : Eukaryota|Incertae\_Sedis|Telonema|uncultured\_eukaryote

 $10014\_02: Eukaryota | SAR | Stramenopiles | Ochrophyta | Diatomea | Bacillariophytina | Mediophyceae | Thalassiosira | Thalassiosira \_concavius culariophyta | Concavius culariophyta | Concavius$ 

11939\_3:

Eukaryota|Opisthokonta|Metazoa|Eumetazoa|Cnidaria|Hydrozoa|Hydroidolina|Siphonophorae|Calycophorae|Diphyidae|g:Lensia|Lensia+campanella

7190\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|Thalassiosira\_curviseriata



 $5918\_02: Eukaryota | SAR| Alveolata | Ciliophora | Intramacronucleata | Conthreep | Prostomatea | Cryptocaryon | uncultured\_eukaryote | unculture$ 

6628\_02 : Eukaryota|SAR|Alveolata

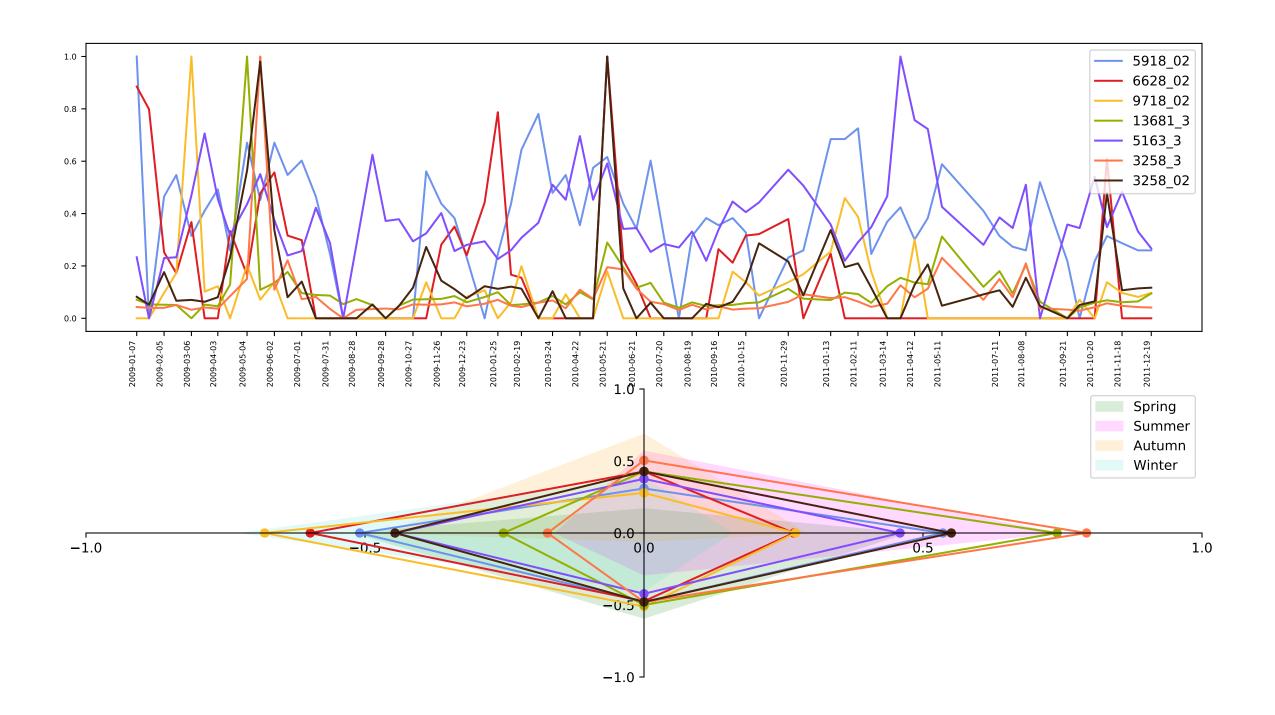
 $9718\_02: Eukaryota | SAR| Stramenopiles | Ochrophyta| Diatomea | Bacillariophytina | Mediophyceae | Thalassiosira\_proschkinae | Contract | Co$ 

 $13681\_3: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae | Gymnodini phycidae$ 

5163\_3 : Eukaryota|SAR|Alveolata|Dinoflagellata|Dinophyceae|Gymnodiniphycidae|uncultured

3258\_3 : Eukaryota|SAR|Alveolata|Dinoflagellata|Dinophyceae|Gymnodiniphycidae|Gyrodinium

 $3258\_02: Eukaryota | SAR| Alveolata | Dinoflage | Ilata | Dinophyceae | Gymnodiniphycidae | Gyrodinium | Carlon | Carl$ 

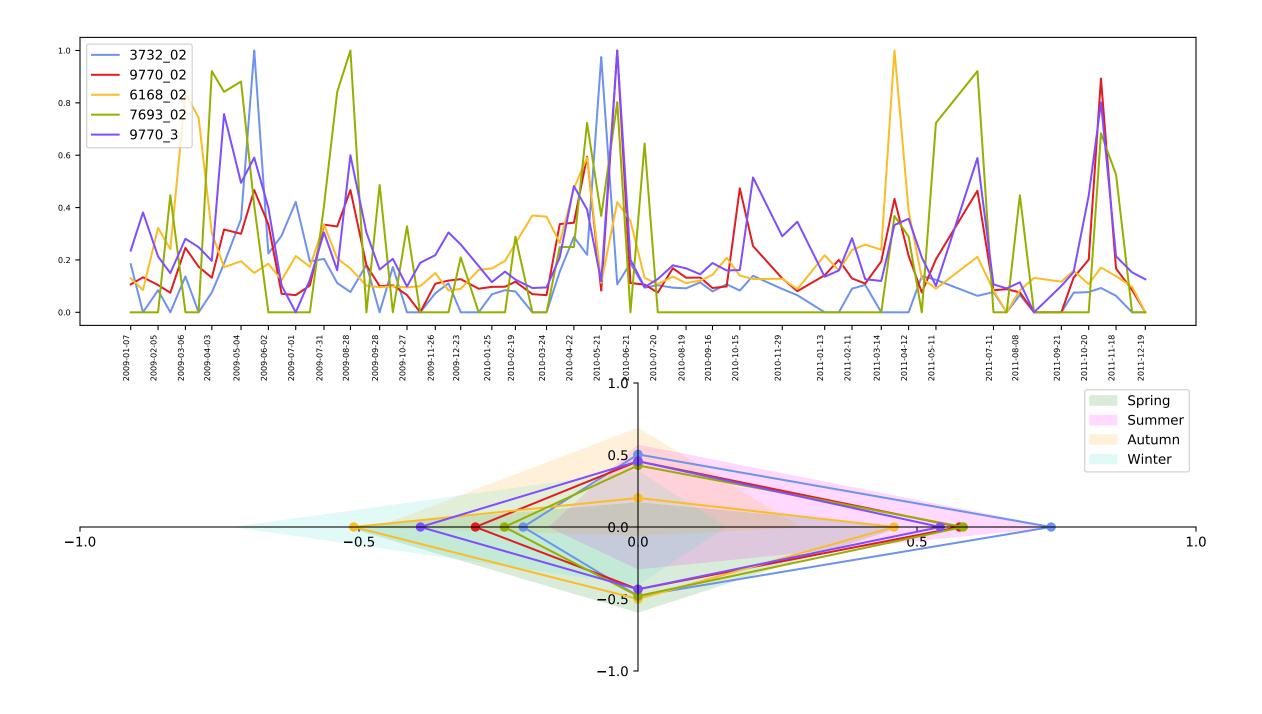


3732\_02 : Eukaryota|SAR|Alveolata 9770\_02 : Eukaryota|SAR|Alveolata

 $6168\_02: Eukaryota | SAR| Alveolata | Dinoflage llata | Dinophyceae$ 

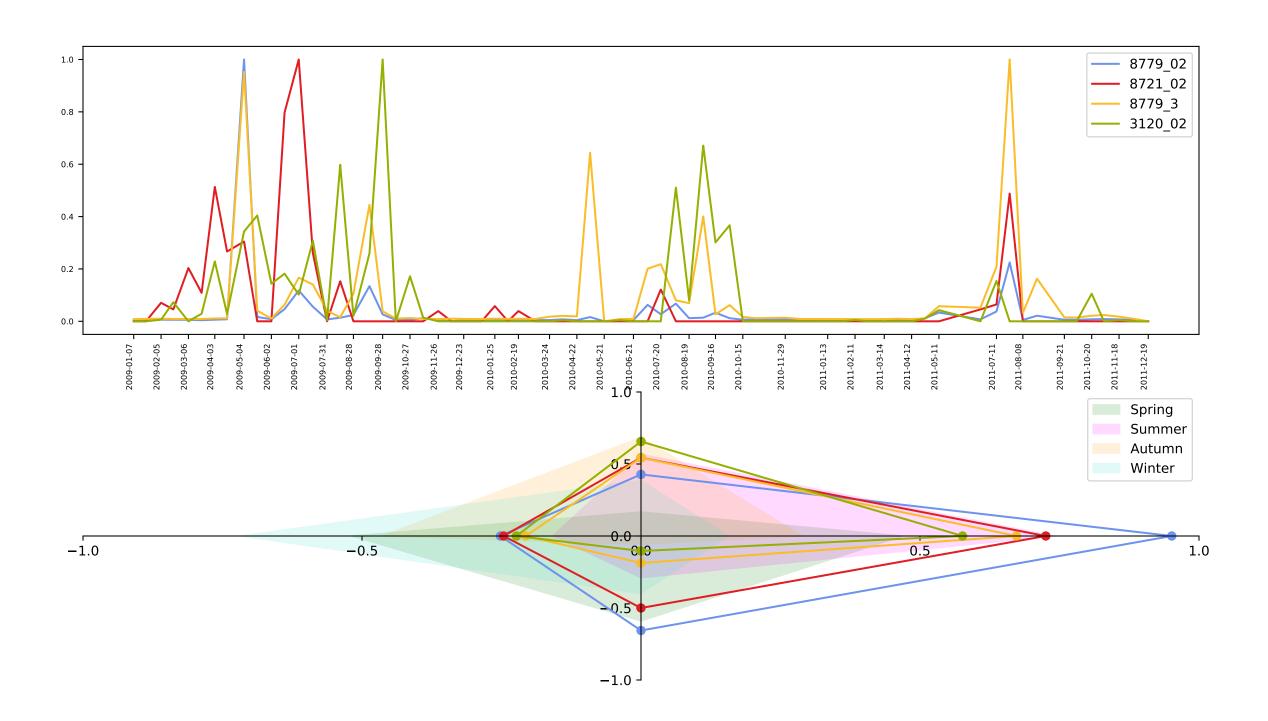
7693\_02 : Eukaryota|SAR|Alveolata|Protalveolata|Syndiniales|Syndiniales\_Group\_II|uncultured\_marine\_alveolate

9770\_3 : Eukaryota|SAR|Alveolata

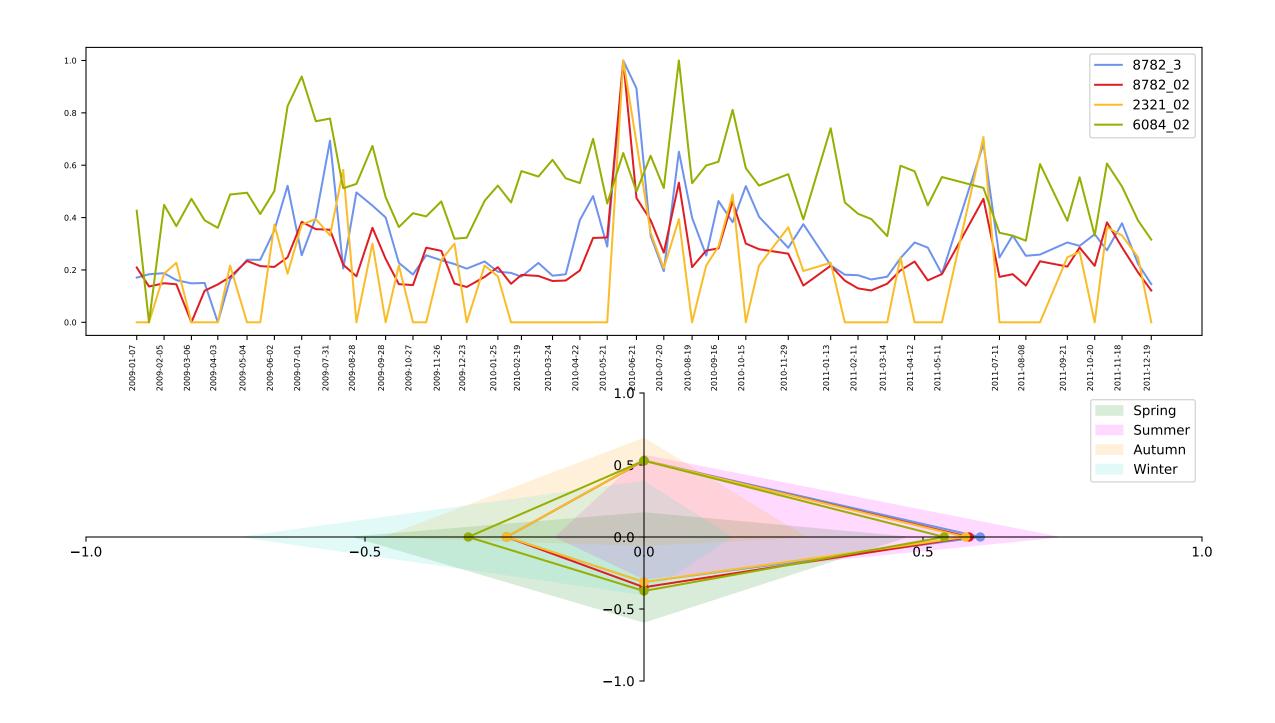


8779\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Coscinodiscophytina|Rhizosolenids|Guinardia|Rhizosolenia\_setigera 8721\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Chaetoceros|Chaetoceros\_sp.\_RCC2564 8779\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Coscinodiscophytina|Rhizosolenids|Guinardia|Rhizosolenia\_setigera 3120\_02 :

 $Eukaryota | Amorphea | Obazoa | Opisthokonta | Holozoa | Choanozoa | Metazoa | Animalia | BCP\_clade | Bilateria | Protostomia | Ecdysozoa | Arthropoda | Crustacea | Maxillo | Crustacea | Maxillo | Crustacea | Maxillo | Crustacea | C$ 



8782\_3 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured|Cryptophyta\_sp.\_CR-MAL11 8782\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured|Cryptophyta\_sp.\_CR-MAL11 2321\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax|Cryptophyta\_sp.\_FU44-30 6084\_02 : Eukaryota|Cryptophyceae|Cryptomonadales



2313\_3 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax|uncultured\_eukaryote 2314\_02 : Eukaryota|SAR|Alveolata|Protalveolata|Syndiniales|Syndiniales\_Group\_II|uncultured\_eukaryote

2313\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|Teleaulax|uncultured\_eukaryote

8782\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured|Cryptophyta\_sp.\_CR-MAL11

4692\_02 : Eukaryota|Picozoa|uncultured\_marine\_eukaryote

 $8782\_3: Eukaryota|Cryptophyceae|Cryptomonadales|uncultured|Cryptophyta\_sp.\_CR-MAL11$ 

 $14056\_3: Eukaryota | Cryptophyceae | Cryptomonadales$ 

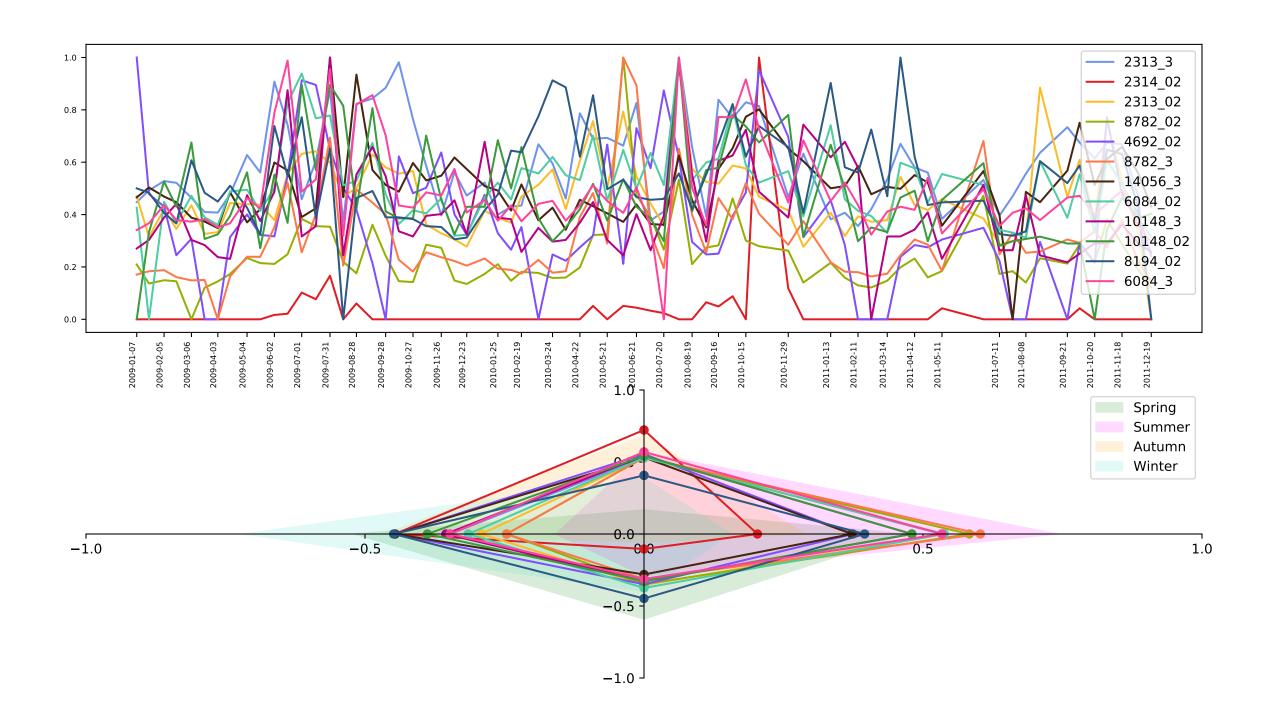
 $6084\_02: Eukaryota | Cryptophyceae | Cryptomonadales$ 

 $10148\_3: Eukaryota | Cryptophyceae | Cryptomonadales | uncultured\_Cryptophyta$ 

 $10148\_02: Eukaryota | Cryptophyceae | Cryptomonadales | uncultured\_Cryptophyta$ 

8194 02 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured Cryptophyta

6084\_3 : Eukaryota|Cryptophyceae|Cryptomonadales



427\_02 : Archaea|Crenarchaeota|Nitrososphaeria|Nitrosopumilales|Nitrosopumilaceae|Candidatus\_Nitrosopelagicus|uncultured\_marine\_archaeon

1098\_3 : Bacteria|Bacteroidota|Bacteroidia|Flavobacteriales|NS9\_marine\_group

8947\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|uncultured\_Skeletonema

13392\_3: Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|uncultured\_Skeletonema

10388\_3: Eukaryota|Stramenopiles|Bacillariophyta|Coscinodiscophyceae|Thalassiosirophycidae|Thalassiosirales|Skeletonemataceae|g:Skeletonema

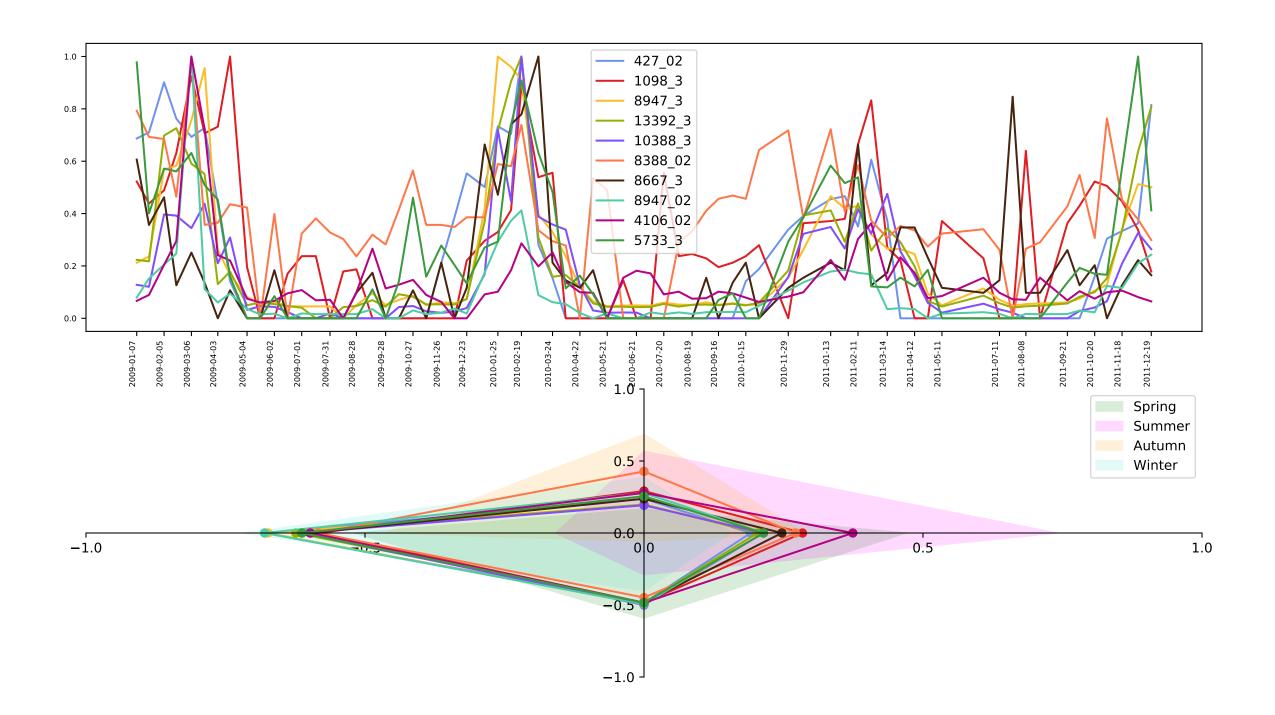
8388\_02 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured\_eukaryote

8667 3: Eukaryota|SAR|Alveolata|Ciliophora|Intramacronucleata|Spirotrichea|Choreotrichia

8947\_02 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|Thalassiosira|uncultured\_Skeletonema

4106 02 : Eukaryota|Cryptophyceae|Cryptomonadales|uncultured|uncultured eukaryote

5733\_3 : Eukaryota|SAR|Stramenopiles|Ochrophyta|Diatomea|Bacillariophytina|Mediophyceae|uncultured\_stramenopile



8184\_3 : Eukaryota|SAR|Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria 12639\_3 : Eukaryota|SAR|Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_marine\_eukaryote

 $1813\_02: Eukaryota | Picozoa | Picomonadida | uncultured\_Zygnematales$ 

10336\_3 : Eukaryota|SAR|Stramenopiles|MAST-7

 $178\_3: Bacteria | Proteobacteria | Alpha proteobacteria | Rhodobactera les | Rhodobactera ceae | uncultured les | uncultured les | Rhodobactera ceae | uncultured les | Rhodobactera ceae | uncultured les | uncultured le$ 

 $8184\_02: Eukaryota | SAR|Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|Uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|Uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|Uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|Uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|Uncultured\_Rhizaria|Cercozoa|Thecofilosea|Cryomonadida|Protaspidae|Cryothecomonas|Uncultured\_Rhizaria|Cercozoa|Cryomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadidae|Cryothecomonadid$ 

601\_02 : Bacteria|Planctomycetota|Planctomycetes|Pirellulales|Pirellulaceae|Blastopirellula|uncultured\_bacterium

