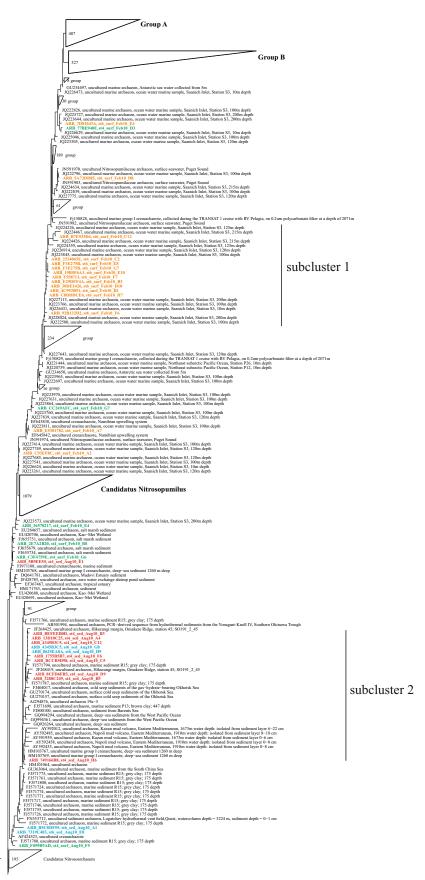


# Figure S2A

### Marine Group I



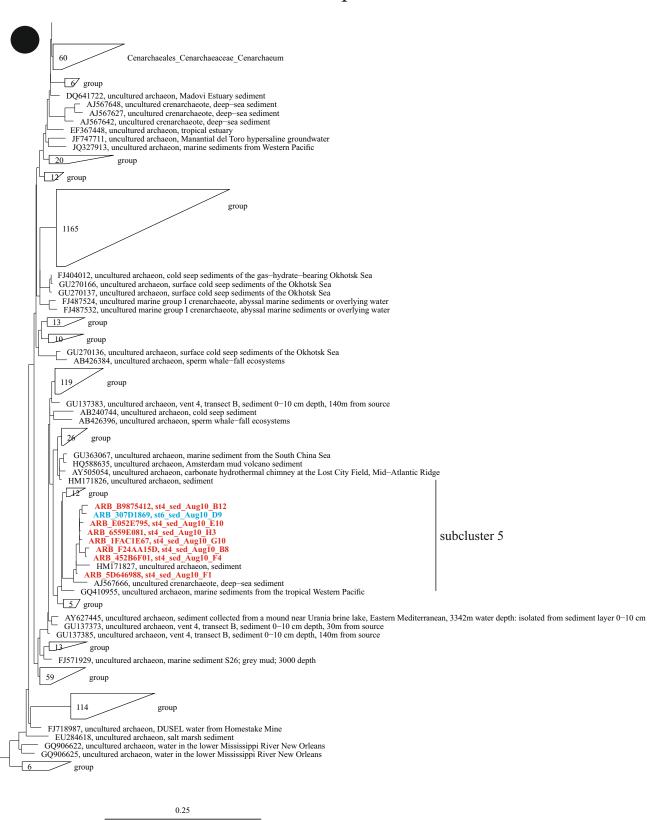
\*

# Figure S2B

## Marine Group I

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subcluster 3
               subcluster 4
```

### Marine Group I



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JQ225747, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth JQ225947, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth ARB BB01BBDC, std_surf_Feb10_D7

JQ224919, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth JQ225713, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth JQ225857, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth JQ225857, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth JQ22580, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth JQ22580, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth JQ225810, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth JQ224577, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 201m depth JQ224577, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 201m depth – ARB BB4DDCS7A, st6 surf Feb10 B9
JQ22580, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth JQ22580, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth JQ22580, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth
                                                                                                                                                                                      ARB B70DC87A. st6 surf Feb10 B9

Q22S591, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth
JQ225730, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth
JQ224561, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 125m depth
JQ225415, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 125m depth
JQ22395, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth
JQ227072, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth
JQ227772, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth
JQ223075, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth
JQ226709, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth
JQ227773, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 215m depth
JQ227771, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth
JQ227771, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth
JQ227771, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth
                                                                                                                                                            JQ224708, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 215m depth JQ223840, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
                                                                                                                                                        30 group
                                                                                                                                                     JQ224221, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 125m depth ARB ADB26C9F, st4 sed_Aug10_G5
JQ225465, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth JQ223921, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth JQ224896, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth ARB (FASI21_st6_sed_Aug10_R10)
                                                                                                                       ARB 276735E, 46 surf Feb10 C3

JQ225757, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth
JQ224969, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 125m depth
JQ224969, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
JQ223179, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth
ARB BC6537DB, s44 seed Auglo D3

JQ223268, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth
JQ223068, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
ARB DDB351EB, s16 surf Feb10 H10
JQ224945, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
JQ22428, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
JQ223683, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
JQ223643, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
JQ223643, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
                                                                                                                -[77 group
                                                                                                           JQ225152, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 10m depth JQ226881, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth JQ224799, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth ARB_ESDF5796, s16_surf_Feb10_C7
                                                                        J0225864, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth ARB D6626509, std surf Febi D I J0224800, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0225328, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0225328, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth J0224794, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0225959, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0225674, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0225674, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0225674, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0225673, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0225673, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth J0225672, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth J0225672, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0222572, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J02226972, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J02226971, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J02227576, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0227576, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0227576, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth J0227576, uncultured marine archaeon, ocean water mari
                                                     ARB D63E2BC6, st6 surf Feb10 G9
GU2344230, uncultured marine archaeon, Antarctic sea water collected from 5m
GU2344280, uncultured marine archaeon, Antarctic sea water collected from 5m
GU234574, uncultured marine archaeon, Antarctic sea water collected from 5m
ARB 1EEE780D, st4 surf Feb10 D12
GU234594, uncultured marine archaeon, Antarctic sea water collected from 5m
GU234612, uncultured marine archaeon, Antarctic sea water collected from 5m
JQ225008, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
                  JQ224176, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 125m depth JQ225625, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth JQ224084, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 125m depth JQ224856, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
                  Z1 group
       JQ224742, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth JQ225824, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth JQ225656, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 120m depth JQ224409, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 215m depth JQ224409, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 215m depth
75 group
         JQ228064, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 200m depth
       70 group
         JQ224872, uncultured marine archaeon, ocean water marine sample, Saanich Inlet, Station S3, 100m depth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Group B
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### Group A

subcluster 6

### Marine Group I



Group B

# Figure S2F

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subcluster 8
interactionistics architector, surface executor, Puper Sound 
station with the conservation manner exemple, Station from Station 93, 120m depth 
wine architector, ocean water manner exemple, Station from Station 93, 100m depth 
wine architector, ocean water manner exemple, Station 10m, Station 53, 100m depth 
rathe architector, ocean water manner exemple, Station 10m, Station 53, 100m depth 
prescriptors, Published sequence Soun manner sediment.
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# Candidatus Nitrosopumilus