**Supplement materials**

A comparison of food sources of nudibranch mollusks at different depths off the Kuril Islands using fatty acid trophic markers

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**TABLE S2** **Results of SIMPER analysis of the FA composition data for the five nudibranch species.** Values show the contribution of individual FAs to the percent similarity or dissimilarity of the group. Total similarity or dissimilarity between groups is given in bold. TT, *Tritonia tetraquetra*; CP, *Colga pacifica*; CV, *Coryphella verrucosa*; DS, *Dendronotus* sp.; AP, *Aeolidia papillosa*.

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|  | CV |  | DS |  | CP |  | TS |  | AP |  | TT |  |
| CV | **Simil.**  20:5n-3  16:0  22:6n-3 | **62.8**  28.0  15.0  8.6 | **Dissimil.**  20:5n-3  20:1n-9  18:0  20:4n-6 | **35.6**  15.0  8.5  7.7  7.1 | **Dissimil.**  20:5n-3  22:5n-6  Δ7,13-22:2 | **50.9**  18.2  11.4  10.1 | **Dissimil.**  24:6n-3  20:5n-3  Δ7,13-22:2  20:4n-6  20:1n-9 | **49.9**  13.7  11.7  9.5  8.9  7.1 | **Dissimil.**  20:5n-3  20:1n-9  22:5n-3 | **38.5**  15.2  8.8  7.9 | **Dissimil.**  20:4n-6  20:5n-3  24:6n-3  24:5n-6 | **54.8**  14.6  13.7  8.6  7.2 |
| DS |  |  | **Simil.**  20:5n-3  16:0  22:6n-3  18:0  20:4n-6 | **83.8**  21.4  13.7  12.6  8.9  7.9 | **Dissimil.**  20:5n-3  22:5n-6  Δ7,13-22:2 | **40.5**  13.5  13.4  9.4 | **Dissimil.**  24:6n-3  22:6n-3  Δ7,13-22:2 | **35.0**  20.4  14.8  9.8 | **Dissimil.**  22:5n-3  16:0  20:4n-6 | **29.8**  10.8  8.4  7.5 | **Dissimil.**  20:4n-6  22:6n-3  24:6n-3  24:5n-6  20:5n-3 | **41.2**  13.3  12.6  12.2  9.6  9.1 |
| CP |  |  |  |  | **Simil.**  22:6n-3  16:0  Δ7,13-22:2  20:5n-3 | **71.3**  13.4  11.9  10.8  7.9 | **Dissimil.**  24:6n-3  22:5n-6  22:6n-3  20:5n-3  20:4n-6 | 47.1  14.8  12.3  12.1  8.8  8.3 | **Dissimil.**  22:5n-6  Δ7,13-22:2  20:5n-3  22:5n-3 | **37.1**  13.1  11.0  10.9  9.6 | **Dissimil.**  20:4n-6  22:6n-3  22:5n-6  24:6n-3  24:5n-6 | **50.6**  14.8  11.2  10.9  9.6  7.3 |
| TS |  |  |  |  |  |  | **Simil.**  20:5n-3  24:6n-3  16:0  20:4n-6  Δ7,13-22:2 | **88.8**  16.5  15.6  13.8  12.4  10.0 | **Dissimil.**  24:6n-3  20:4n-6  22:6n-3  22:5n-3  Δ7,13-22:2 | **44.3**  16.0  9.3  8.7  8.4  8.4 | **Dissimil.**  20:4n-6  24:5n-6  20:5n-3  24:6n-3  16:0 | **19.3**  18.6  13.3  12.3  10.9  8.5 |
| AP |  |  |  |  |  |  |  |  | **Simil.**  20:5n-3  22:6n-3  22:5n-3  16:0 | **88.0**  15.4  9.4  8.1  8.0 | **Dissimil.**  20:4n-6  24:6n-3  16:0  22:5n-3  24:5n-6 | **48.9**  15.8  10.2  9.2  8.1  7.9 |
| TT |  |  |  |  |  |  |  |  |  |  | **Simil.**  20:4n-6  16:0  20:5n-3  24:6n-3  24:5n-6 | **90.6**  20.4  17.5  11.6  9.9  7.8 |