**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-316:022:6n-3 | **62.8**28.015.08.6 | **Dissimil.**20:5n-320:1n-918:020:4n-6 | **35.6**15.08.57.77.1 | **Dissimil.**20:5n-322:5n-6Δ7,13-22:2 | **50.9**18.211.410.1 | **Dissimil.**24:6n-320:5n-3Δ7,13-22:220:4n-620:1n-9 | **49.9**13.711.79.58.97.1 | **Dissimil.**20:5n-320:1n-922:5n-3 | **38.5**15.28.87.9 | **Dissimil.**20:4n-620:5n-324:6n-324:5n-6 | **54.8**14.613.78.67.2 |
| DS |  |  | **Simil.**20:5n-316:022:6n-318:020:4n-6 | **83.8**21.413.712.68.97.9 | **Dissimil.**20:5n-322:5n-6Δ7,13-22:2 | **40.5**13.513.49.4 | **Dissimil.**24:6n-322:6n-3Δ7,13-22:2 | **35.0**20.414.89.8 | **Dissimil.**22:5n-316:020:4n-6 | **29.8**10.88.47.5 | **Dissimil.**20:4n-622:6n-324:6n-324:5n-620:5n-3 | **41.2**13.312.612.29.69.1 |
| CP |  |  |  |  | **Simil.**22:6n-316:0Δ7,13-22:220:5n-3 | **71.3**13.411.910.87.9 | **Dissimil.**24:6n-322:5n-622:6n-320:5n-320:4n-6 | 47.114.812.312.18.88.3 | **Dissimil.** 22:5n-6Δ7,13-22:220:5n-322:5n-3 | **37.1**13.111.010.99.6 | **Dissimil.**20:4n-622:6n-322:5n-624:6n-324:5n-6 | **50.6**14.811.210.99.67.3 |
| TS |  |  |  |  |  |  | **Simil.**20:5n-324:6n-316:020:4n-6Δ7,13-22:2 | **88.8**16.515.613.812.410.0 | **Dissimil.** 24:6n-320:4n-622:6n-322:5n-3Δ7,13-22:2 | **44.3**16.09.38.78.48.4 | **Dissimil.**20:4n-624:5n-620:5n-324:6n-316:0 | **19.3**18.613.312.310.98.5 |
| AP |  |  |  |  |  |  |  |  | **Simil.**20:5n-322:6n-322:5n-316:0 | **88.0**15.49.48.18.0 | **Dissimil.**20:4n-624:6n-316:022:5n-324:5n-6 | **48.9**15.810.29.28.17.9 |
| TT |  |  |  |  |  |  |  |  |  |  | **Simil.**20:4n-616:020:5n-324:6n-324:5n-6 | **90.6**20.417.511.69.97.8 |