|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Month** | **Host**  ***Mytilus edulis***  **(%)** | **MPB (%)** | **POM (%)** | **Order** | **Probability (%)** |
| March | 46-59 | 4-14 | 35-43 | Host > POM > MPB | 100 |
| June | 37-55 | 7-22 | 36-43 | Host > POM > MPB | 87 |
| September | 47-60 | 4-13 | 35-43 | Host > POM > MPB | 100 |
| December | 49-60 | 3-12 | 34-42 | Host > POM > MPB | 100 |

**Table S1**

Results of the seasonality analysis in which the mixing model with a trophic fractionation factor Δδ15N of 3.4‰ and discrimination factor of Δδ13C of 1.0‰ was used to test for a potential effect of seasonality on the relative contribution of host mussel (Mytilus edulis) tissue, POM and MPB on the parasites’ (*Mytilicola orientalis*) diet. Diet contributions were calculated by using isotope data of blue mussel hosts, MPB and POM from four seasons (March, June, September and December) sampled at Balgzand in 2013 (see Fig. 1; A. S. Jung, unpublished results). For each season/month the table shows the diet proportions (95% confidence interval) of each of the three diet sources, the hierarchical order of diet proportions in the parasites’ diet and the probability of this ordering.