

### **Text S1: Trait sources**

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- Expert opinion of six independent fish experts

**Table S1: Characteristics of fishing methods used for sampling in this study.**

| Fishing method                           | Characteristics  |
|--|--|
| Multimesh gillnet<br>„Coastal surveynet“ | Length: 45 m<br>Height: 1.8 m<br>Length per mesh panel: 5 m<br>Panel mesh sizes: 30, 15, 38, 10, 48, 12, 24, 60, 19 mm |
| Eelfyke                                  | 2 fyke chambers, each with a length of 3.5 m<br>Leader net length: 8 m<br>Codend mesh size: 11 mm                      |
| Minnow trap                              | Length: 60 cm<br>Trap diameter: 30 cm<br>Diameter of openings (n = 2): 10 cm<br>Net mesh size: 5 mm                    |
| Bottom trawl<br>„YOY-trawl“              | Opening width: 9.5 m<br>Total length: 6.4 m<br>Codend length: 1.4 m<br>Codend mesh size: 6 mm<br>Wing mesh size: 20 mm |
| Beach seine                              | Opening width: 20 m<br>Wing height: 1.5 m<br>Wing mesh size: 11 mm<br>Codend mesh size: 5 mm                           |

**Table S2: Water variables recorded at each sampling close to the seafloor at the beach seine stations (BS) and at stations where the gillnet, eelfyke, minnow trap and bottom trawl were used (other) showing mean values per station and season.**

|                         | <b>Site</b> | <b>Station</b> | <b>Winter</b> | <b>Spring</b> | <b>Summer</b> | <b>Late Summer</b> | <b>Autumn</b> |
|-------------------------|-------------|----------------|---------------|---------------|---------------|--------------------|---------------|
| <b>Oxygen [%]</b>       | Flensburg   | Other          | 119.26        | 114.75        | 120.66        | 114.73             | 71.17         |
|                         | Flensburg   | BS             | 123.75        | 124.85        | 112.55        | 122.70             | 96.10         |
|                         | Eckernförde | Other          | 111.68        | 115.30        | 124.75        | 106.75             | 94.05         |
|                         | Kiel        | Other          | 112.33        | 113.38        | 126.73        | 114.58             | 107.45        |
|                         | Fehmarn     | Other          | 115.34        | 120.05        | 120.25        | 106.98             | 112.20        |
|                         | Fehmarn     | BS             | 121.25        | 118.65        | 132.15        | 137.80             | 118.80        |
|                         | Lübeck      | BS             | 131.15        | 145.70        | 131.50        | 118.30             | 106.00        |
| <b>Oxygen [mg/l]</b>    | Flensburg   | Other          | 14.16         | 11.50         | 10.98         | 9.81               | 6.61          |
|                         | Flensburg   | BS             | 14.58         | 12.76         | 11.88         | 10.37              | 9.02          |
|                         | Eckernförde | Other          | 13.16         | 12.11         | 11.57         | 9.35               | 8.90          |
|                         | Kiel        | Other          | 13.16         | 11.84         | 11.84         | 9.75               | 10.31         |
|                         | Fehmarn     | Other          | 13.71         | 12.57         | 10.77         | 9.41               | 10.88         |
|                         | Fehmarn     | BS             | 14.28         | 11.74         | 10.43         | 11.87              | 12.13         |
|                         | Lübeck      | BS             | 15.43         | 14.12         | 10.50         | 10.04              | 9.69          |
| <b>pH</b>               | Flensburg   | Other          | 7.92          | 8.11          | 8.38          | 8.39               | 7.61          |
|                         | Flensburg   | BS             | 7.84          | 7.97          | 8.33          | 8.52               | 7.83          |
|                         | Eckernförde | Other          | 7.81          | 8.16          | 8.41          | 8.14               | 8.03          |
|                         | Kiel        | Other          | 7.81          | 7.88          | 8.42          | 8.25               | 8.29          |
|                         | Fehmarn     | Other          | 7.82          | 7.97          | 8.37          | 8.30               | 8.10          |
|                         | Fehmarn     | BS             | 7.85          | 8.25          | 8.71          | 8.78               | 7.38          |
|                         | Lübeck      | BS             | 7.98          | 8.34          | 8.43          | 8.35               | 8.23          |
| <b>Salinity</b>         | Flensburg   | Other          | 16.69         | 17.64         | 13.52         | 16.24              | 20.49         |
|                         | Flensburg   | BS             | 14.24         | 15.62         | 11.65         | 15.16              | 15.82         |
|                         | Eckernförde | Other          | 17.17         | 16.74         | 12.15         | 16.16              | 18.06         |
|                         | Kiel        | Other          | 16.82         | 17.06         | 11.38         | 15.55              | 16.94         |
|                         | Fehmarn     | Other          | 13.57         | 13.76         | 10.29         | 12.15              | 15.63         |
|                         | Fehmarn     | BS             | 13.55         | 14.21         | 11.42         | 12.40              | 14.10         |
|                         | Lübeck      | BS             | 15.41         | 14.08         | 11.04         | 11.24              | 18.43         |
| <b>Temperature [°C]</b> | Flensburg   | Other          | 3.64          | 9.60          | 19.48         | 18.40              | 12.43         |
|                         | Flensburg   | BS             | 4.10          | 10.85         | 20.10         | 19.05              | 13.80         |
|                         | Eckernförde | Other          | 3.06          | 8.83          | 19.15         | 17.55              | 12.60         |
|                         | Kiel        | Other          | 3.47          | 8.30          | 20.40         | 18.15              | 12.35         |
|                         | Fehmarn     | Other          | 3.72          | 9.25          | 19.20         | 18.23              | 12.40         |
|                         | Fehmarn     | BS             | 4.80          | 11.60         | 21.75         | 19.20              | 10.70         |
|                         | Lübeck      | BS             | 3.65          | 12.55         | 19.40         | 19.85              | 13.20         |
| <b>Secchi depth [m]</b> | Flensburg   | Other          | 3.42          | 2.80          | 2.48          | 3.50               | 3.43          |
|                         | Flensburg   | BS             | 1.20          | 0.40          | 1.30          | 0.80               | 1.10          |
|                         | Eckernförde | Other          | 4.40          | 4.38          | 3.93          | 3.23               | 4.25          |
|                         | Kiel        | Other          | 4.67          | 4.08          | 4.13          | 4.10               | 4.20          |
|                         | Fehmarn     | Other          | 2.70          | 3.35          | 2.60          | 2.88               | 2.80          |
|                         | Fehmarn     | BS             | 0.95          | 0.80          | 0.60          | 0.75               | 1.30          |
|                         | Lübeck      | BS             | 1.30          | 0.80          | 0.90          | 0.75               | 1.10          |

**Table S3: Total number of replicate samples taken with the five fishing methods per month in 2021.** Passive gear were deployed at four stations with three replicates ( $n = 3$ ) each, while one bottom trawl haul ( $n = 1$ ) was conducted at the same four stations per month. Three beach seine hauls ( $n = 3$ ) were conducted at three stations per month, respectively. Cf. “2.3 Data and statistical analysis” for exceptions.

| Fishing method | February | March | April | May | June | July | August | September | October |
|----------------|----------|-------|-------|-----|------|------|--------|-----------|---------|
| Gillnet        | 12       | 12    | 12    | 9   | 12   | 12   | 12     | 12        | 12      |
| Eelfyke        | 12       | 12    | 12    | 9   | 12   | 12   | 12     | 12        | 12      |
| Minnow trap    | 12       | 12    | 12    | 9   | 12   | 12   | 12     | 12        | 12      |
| Bottom trawl   | 4        | 3     | 3     | 3   | 3    | 3    | 3      | 3         | 2       |
| Beach seine    | 9        | 9     | 9     | 9   | 9    | 9    | 9      | 9         | 9       |

**Table S4:** Model results regarding the comparison of taxonomic indices and abundances of the ten most abundant fish species among fishing methods and seasons.

| Variable                       | df | $\chi^2$ | p        | Variable                         | df | $\chi^2$ | p        |
|--------------------------------|----|----------|----------|----------------------------------|----|----------|----------|
| <i>Abundance</i>               |    |          |          | <i>Abundance: G. morhua</i>      |    |          |          |
| fishing method                 | 4  | 4041     | < 0.001* | fishing method                   | 4  | 330      | < 0.001* |
| season                         | 4  | 176      | < 0.001* | season                           | 4  | 216      | < 0.001* |
| fishing method*season          | 16 | 326      | < 0.001* | fishing method*season            | 16 | 201      | < 0.001* |
| <i>Species richness</i>        |    |          |          | <i>Abundance: P. platessa</i>    |    |          |          |
| fishing method                 | 4  | 2103     | < 0.001* | fishing method                   | 3  | 85       | < 0.001* |
| season                         | 4  | 162      | < 0.001* | season                           | 4  | 23       | < 0.001* |
| fishing method*season          | 16 | 102      | < 0.001* | fishing method*season            | 12 | 58       | < 0.001* |
| <i>Shannon index</i>           |    |          |          | <i>Abundance: P. minutus</i>     |    |          |          |
| fishing method                 | 3  | 174      | < 0.001* | fishing method                   | 2  | 89       | < 0.001* |
| season                         | 4  | 38       | < 0.001* | season                           | 4  | 72       | < 0.001* |
| fishing method*season          | 12 | 95       | < 0.001* | fishing method*season            | 8  | 97       | < 0.001* |
| <i>Abundance: S. typhle</i>    |    |          |          | <i>Abundance: S. rostellatus</i> |    |          |          |
| fishing method                 | 1  | 0.91     | 0.340    | fishing method                   | 1  | 0.06     | 0.800    |
| season                         | 4  | 55       | < 0.001* | season                           | 4  | 84       | < 0.001* |
| fishing method*season          | 4  | 24       | < 0.001* | fishing method*season            | 4  | 5        | 0.260    |
| <i>Abundance: P. microps</i>   |    |          |          | <i>Abundance: P. flesus</i>      |    |          |          |
| fishing method                 | 1  | 65       | < 0.001* | fishing method                   | 3  | 1015     | < 0.001* |
| season                         | 4  | 139      | < 0.001* | season                           | 4  | 195      | < 0.001* |
| fishing method*season          | 4  | 40       | < 0.001* | fishing method*season            | 12 | 195      | < 0.001* |
| <i>Abundance: G. aculeatus</i> |    |          |          | <i>Abundance: N. ophidion</i>    |    |          |          |
| fishing method                 | 2  | 160      | < 0.001* | fishing method                   | 1  | 107      | < 0.001* |
| season                         | 4  | 73       | < 0.001* | season                           | 4  | 18       | 0.001*   |
| fishing method*season          | 8  | 78       | < 0.001* | fishing method*season            | 4  | 12       | 0.020*   |
| <i>Abundance: S. spinachia</i> |    |          |          |                                  |    |          |          |
| fishing method                 | 3  | 47       | < 0.001* |                                  |    |          |          |
| season                         | 4  | 3        | 0.510    |                                  |    |          |          |
| fishing method*season          | 12 | 182      | < 0.001* |                                  |    |          |          |

**Table S5: SIMPER results regarding the dissimilarity of taxonomic composition between fishing methods per season (GN: gillnet, EF: eelfyke, MT: minnow trap, BT: bottom trawl, BS: beach seine).**

|         | Winter | Spring | Summer | Late Summer | Autumn |
|---------|--------|--------|--------|-------------|--------|
| GN - EF | 85.7   | 89.2   | 90.2   | 81.6        | 73.9   |
| GN - MT | 99.1   | 99.0   | 98.7   | 96.7        | 87.8   |
| GN - BT | 92.1   | 95.2   | 95.0   | 96.0        | 98.3   |
| GN - BS | 99.6   | 93.3   | 95.1   | 97.3        | 94.4   |
| EF - MT | 86.4   | 88.0   | 98.4   | 93.1        | 81.7   |
| EF - BT | 91.9   | 97.5   | 97.2   | 98.5        | 98.2   |
| EF - BS | 98.4   | 97.4   | 98.0   | 98.8        | 94.5   |
| MT - BT | 100    | 99.1   | 97.1   | 99.4        | 99.4   |
| MT - BS | 99.1   | 100    | 98.9   | 99.1        | 98.7   |
| BT - BS | 90.5   | 83.3   | 79.9   | 69.9        | 56.3   |

**Table S6: Post-hoc results regarding the comparison of fish species abundances between fishing methods (GN: gillnet, EF: eelfyke, MT: minnow trap, BT: bottom trawl, BS: beach seine) in the different seasons (WI: winter, SP: spring, SU: summer, LSU: late summer, AU: autumn) displaying mean abundances  $\pm$  SD. Colours define the level of statistical significance based on p-values:  $p \geq 0.05$  (white),  $p < 0.05$  (light green),  $p < 0.01$  (middle green),  $p < 0.001$  (dark green); - not analysed/comparable.**

|                               | WI                              | SP                                | SU                                | LSU                                   | AU                                  | WI                               | SP                              | SU                                | LSU                                | AU                                |
|-------------------------------|---------------------------------|-----------------------------------|-----------------------------------|---------------------------------------|-------------------------------------|----------------------------------|---------------------------------|-----------------------------------|------------------------------------|-----------------------------------|
| BT - BS                       | <i>Syngnathus typhle</i>        |                                   |                                   |                                       |                                     | <i>Pomatoschistus microps</i>    |                                 |                                   |                                    |                                   |
|                               | 1.3 $\pm$ 2.1/<br>1.7 $\pm$ 3.0 | 4.2 $\pm$ 5.0/<br>25.8 $\pm$ 30.5 | 6.4 $\pm$ 6.9/<br>23.0 $\pm$ 17.4 | 46.2 $\pm$ 26.7/<br>110.5 $\pm$ 117.4 | 38.8 $\pm$ 16.7/<br>49.6 $\pm$ 24.9 | 0/<br>0.5 $\pm$ 0.9              | 0/<br>3.9 $\pm$ 9.8             | 0/<br>33.9 $\pm$ 56.4             | 0.3 $\pm$ 0.8/<br>44.4 $\pm$ 45.4  | 0/4.4 $\pm$ 4.5                   |
| <i>Gasterosteus aculeatus</i> |                                 |                                   |                                   |                                       |                                     |                                  |                                 |                                   |                                    |                                   |
| GN - EF                       | -                               | -                                 | -                                 | -                                     | -                                   | 0.03 $\pm$ 0.1/<br>0.1 $\pm$ 0.2 | 0.4 $\pm$ 0.7/<br>0.2 $\pm$ 0.5 | 0.4 $\pm$ 0.7/<br>0               | 0.04 $\pm$ 0.2/<br>0               | 0/0                               |
| GN - MT                       | -                               | -                                 | -                                 | -                                     | -                                   | -                                | -                               | -                                 | -                                  | -                                 |
| GN - BT                       | 0/0                             | 2.4 $\pm$ 5.6/<br>0.6 $\pm$ 0.8   | 6.3 $\pm$ 16.6/<br>4.9 $\pm$ 7.5  | 0.04 $\pm$ 0.2/<br>16.3 $\pm$ 25.9    | 0/0                                 | 0.03 $\pm$ 0.1/<br>1.0 $\pm$ 1.1 | 0.4 $\pm$ 0.7/<br>1.5 $\pm$ 1.8 | 0.4 $\pm$ 0.7/<br>11.6 $\pm$ 15.6 | 0.04 $\pm$ 0.2/<br>40.6 $\pm$ 30.4 | 0/28.7 $\pm$ 26.2                 |
| GN - BS                       | 0/<br>0.7 $\pm$ 1.2             | 2.4 $\pm$ 5.6/<br>2.5 $\pm$ 4.1   | 6.3 $\pm$ 16.6/<br>7.9 $\pm$ 8.4  | 0.04 $\pm$ 0.2/<br>19.2 $\pm$ 41.0    | 0/12.9 $\pm$ 16.5                   | 0.03 $\pm$ 0.1/<br>1.1 $\pm$ 1.7 | 0.4 $\pm$ 0.7/<br>0.2 $\pm$ 0.4 | 0.4 $\pm$ 0.7/<br>0.9 $\pm$ 1.3   | 0.04 $\pm$ 0.2/<br>11.3 $\pm$ 8.3  | 0/7.0 $\pm$ 8.2                   |
| EF - MT                       | -                               | -                                 | -                                 | -                                     | -                                   | -                                | -                               | -                                 | -                                  | -                                 |
| EF - BT                       | -                               | -                                 | -                                 | -                                     | -                                   | 0.1 $\pm$ 0.2/<br>1.0 $\pm$ 1.1  | 0.2 $\pm$ 0.5/<br>1.5 $\pm$ 1.8 | 0/<br>11.6 $\pm$ 15.6             | 0/40.6 $\pm$ 30.4                  | 0/28.7 $\pm$ 26.2                 |
| EF - BS                       | -                               | -                                 | -                                 | -                                     | -                                   | 0.1 $\pm$ 0.2/<br>1.1 $\pm$ 1.7  | 0.2 $\pm$ 0.5/<br>0.2 $\pm$ 0.4 | 0/0.9 $\pm$ 1.3                   | 0/11.3 $\pm$ 8.3                   | 0/7.0 $\pm$ 8.2                   |
| MT - BT                       | -                               | -                                 | -                                 | -                                     | -                                   | -                                | -                               | -                                 | -                                  | -                                 |
| MT - BS                       | -                               | -                                 | -                                 | -                                     | -                                   | -                                | -                               | -                                 | -                                  | -                                 |
| BT - BS                       | 0/<br>0.7 $\pm$ 1.2             | 0.6 $\pm$ 0.8/<br>2.5 $\pm$ 4.1   | 4.9 $\pm$ 7.5/<br>7.9 $\pm$ 8.4   | 16.3 $\pm$ 25.9/<br>19.2 $\pm$ 41.0   | 0/12.9 $\pm$ 16.5                   | 1.0 $\pm$ 1.1/<br>1.1 $\pm$ 1.7  | 1.5 $\pm$ 1.8/<br>0.2 $\pm$ 0.4 | 11.6 $\pm$ 15.6/<br>0.9 $\pm$ 1.3 | 40.6 $\pm$ 30.4/<br>11.3 $\pm$ 8.3 | 28.7 $\pm$ 26.2/<br>7.0 $\pm$ 8.2 |
| <i>Gadus morhua</i>           |                                 |                                   |                                   |                                       |                                     |                                  |                                 |                                   |                                    |                                   |
| GN - EF                       | 0.2 $\pm$ 0.4/<br>0.4 $\pm$ 0.6 | 2.5 $\pm$ 2.8/<br>0.3 $\pm$ 0.8   | 3.2 $\pm$ 4.8/<br>0.5 $\pm$ 0.9   | 8.8 $\pm$ 7.8/<br>1.3 $\pm$ 1.3       | 5.0 $\pm$ 5.9/<br>2.1 $\pm$ 1.4     | 2.1 $\pm$ 2.1/<br>0.8 $\pm$ 0.9  | 3.7 $\pm$ 2.9/<br>0.7 $\pm$ 1.1 | 3.1 $\pm$ 3.3/<br>0.9 $\pm$ 1.0   | 3.3 $\pm$ 2.2/<br>2.4 $\pm$ 2.4    | 3.2 $\pm$ 4.1/<br>2.6 $\pm$ 3.8   |
| GN - MT                       | 0.2 $\pm$ 0.4/0                 | 2.5 $\pm$ 2.8/0                   | 3.2 $\pm$ 4.8/0                   | 8.8 $\pm$ 7.8/<br>0.1 $\pm$ 0.2       | 5.0 $\pm$ 5.9/<br>0.2 $\pm$ 0.5     | -                                | -                               | -                                 | -                                  | -                                 |
| GN - BT                       | 0.2 $\pm$ 0.4/0                 | 2.5 $\pm$ 2.8/0                   | 3.2 $\pm$ 4.8/<br>0.5 $\pm$ 1.1   | 8.8 $\pm$ 7.8/<br>13.4 $\pm$ 27.9     | 5.0 $\pm$ 5.9/<br>0.8 $\pm$ 1.2     | 2.1 $\pm$ 2.1/<br>0.9 $\pm$ 0.7  | 3.7 $\pm$ 2.9/<br>0.4 $\pm$ 0.6 | 3.1 $\pm$ 3.3/<br>0.4 $\pm$ 0.7   | 3.3 $\pm$ 2.2/<br>0.5 $\pm$ 0.5    | 3.2 $\pm$ 4.1/<br>0.5 $\pm$ 0.7   |
| GN - BS                       | 0.2 $\pm$ 0.4/0                 | 2.5 $\pm$ 2.8/0                   | 3.2 $\pm$ 4.8/0                   | 8.8 $\pm$ 7.8/<br>0.7 $\pm$ 1.1       | 5.0 $\pm$ 5.9/<br>3.7 $\pm$ 3.1     | 2.1 $\pm$ 2.1/0                  | 3.7 $\pm$ 2.9/<br>3.4 $\pm$ 6.4 | 3.1 $\pm$ 3.3/<br>2.5 $\pm$ 3.6   | 3.3 $\pm$ 2.2/<br>1.0 $\pm$ 1.4    | 3.2 $\pm$ 4.1/<br>0.6 $\pm$ 1.3   |
| EF - MT                       | 0.4 $\pm$ 0.6/0                 | 0.3 $\pm$ 0.8/0                   | 0.5 $\pm$ 0.9/0                   | 1.3 $\pm$ 1.3/<br>0.1 $\pm$ 0.2       | 2.1 $\pm$ 1.4/<br>0.2 $\pm$ 0.5     | -                                | -                               | -                                 | -                                  | -                                 |
| EF - BT                       | 0.4 $\pm$ 0.6/0                 | 0.3 $\pm$ 0.8/0                   | 0.5 $\pm$ 0.9/<br>0.5 $\pm$ 1.1   | 1.3 $\pm$ 1.3/<br>13.4 $\pm$ 27.9     | 2.1 $\pm$ 1.4/<br>0.8 $\pm$ 1.2     | 0.8 $\pm$ 0.9/<br>0.9 $\pm$ 0.7  | 0.7 $\pm$ 1.1/<br>0.4 $\pm$ 0.6 | 0.9 $\pm$ 1.0/<br>0.4 $\pm$ 0.7   | 2.4 $\pm$ 2.4/<br>0.5 $\pm$ 0.5    | 2.6 $\pm$ 3.8/<br>0.5 $\pm$ 0.7   |
| EF - BS                       | 0.4 $\pm$ 0.6/                  | 0.3 $\pm$ 0.8/0                   | 0.5 $\pm$ 0.9/0                   | 1.3 $\pm$ 1.3/<br>0.7 $\pm$ 1.1       | 2.1 $\pm$ 1.4/<br>3.7 $\pm$ 3.1     | 0.8 $\pm$ 0.9/0                  | 0.7 $\pm$ 1.1/<br>3.4 $\pm$ 6.4 | 0.9 $\pm$ 1.0/<br>2.5 $\pm$ 3.6   | 2.4 $\pm$ 2.4/<br>1.0 $\pm$ 1.4    | 2.6 $\pm$ 3.8/<br>0.6 $\pm$ 1.3   |
| MT - BT                       | 0/0                             | 0/0                               | 0/0.5 $\pm$ 1.1                   | 0.1 $\pm$ 0.2/<br>13.4 $\pm$ 27.9     | 0.2 $\pm$ 0.5/<br>0.8 $\pm$ 1.2     | -                                | -                               | -                                 | -                                  | -                                 |
| MT - BS                       | 0/0                             | 0/0                               | 0/0                               | 0.1 $\pm$ 0.2/<br>0.7 $\pm$ 1.1       | 0.2 $\pm$ 0.5/<br>3.7 $\pm$ 3.1     | -                                | -                               | -                                 | -                                  | -                                 |
| BT - BS                       | 0/0                             | 0/0                               | 0.5 $\pm$ 1.1/0                   | 13.4 $\pm$ 27.9/<br>0.7 $\pm$ 1.1     | 0.8 $\pm$ 1.2/<br>3.7 $\pm$ 3.1     | 0.9 $\pm$ 0.7/0                  | 0.4 $\pm$ 0.6/<br>3.4 $\pm$ 6.4 | 0.4 $\pm$ 0.7/<br>2.5 $\pm$ 3.6   | 0.5 $\pm$ 0.5/<br>1.0 $\pm$ 1.4    | 0.5 $\pm$ 0.7/<br>0.6 $\pm$ 1.3   |
| <i>Pomatoschistus minutus</i> |                                 |                                   |                                   |                                       |                                     |                                  |                                 |                                   |                                    |                                   |
| MT - BT                       | 0/0                             | 0/0.2 $\pm$ 0.4                   | 0.1 $\pm$ 0.3/<br>3.0 $\pm$ 4.5   | 0/12.7 $\pm$ 18.4                     | 0/5.6 $\pm$ 6.4                     | -                                | -                               | -                                 | -                                  | -                                 |
| MT - BS                       | 0/0.2 $\pm$ 0.5                 | 0/2.8 $\pm$ 2.7                   | 0.1 $\pm$ 0.3/<br>3.8 $\pm$ 5.9   | 0/18.1 $\pm$ 39.8                     | 0/3.9 $\pm$ 4.4                     | -                                | -                               | -                                 | -                                  | -                                 |
| BT - BS                       | 0/<br>0.2 $\pm$ 0.5             | 0.2 $\pm$ 0.4/<br>2.8 $\pm$ 2.7   | 3.0 $\pm$ 4.5/<br>3.8 $\pm$ 5.9   | 12.7 $\pm$ 18.4/<br>18.1 $\pm$ 39.8   | 5.6 $\pm$ 6.4/<br>3.9 $\pm$ 4.4     | 0.1 $\pm$ 0.4/<br>0.1 $\pm$ 0.2  | 1.7 $\pm$ 1.1/<br>4.7 $\pm$ 7.3 | 6.0 $\pm$ 5.2/<br>4.9 $\pm$ 5.7   | 5.6 $\pm$ 6.0/<br>15.1 $\pm$ 18.5  | 2.0 $\pm$ 2.9/<br>4.7 $\pm$ 6.7   |
| <i>Platichthys flesus</i>     |                                 |                                   |                                   |                                       |                                     |                                  |                                 |                                   |                                    |                                   |
| GN - EF                       | 1.3 $\pm$ 1.3/0                 | 3.8 $\pm$ 2.7/<br>0.1 $\pm$ 0.2   | 12.0 $\pm$ 6.6/<br>0.3 $\pm$ 0.6  | 5.6 $\pm$ 3.8/<br>0.2 $\pm$ 0.5       | 1.0 $\pm$ 1.3/<br>0.1 $\pm$ 0.2     | -                                | -                               | -                                 | -                                  | -                                 |
| GN - MT                       | -                               | -                                 | -                                 | -                                     | -                                   | -                                | -                               | -                                 | -                                  | -                                 |
| GN - BT                       | 1.3 $\pm$ 1.3/0                 | 3.8 $\pm$ 2.7/<br>0.3 $\pm$ 0.6   | 12.0 $\pm$ 6.6/<br>0.7 $\pm$ 0.7  | 5.6 $\pm$ 3.8/<br>0.2 $\pm$ 0.4       | 1.0 $\pm$ 1.3/0                     | -                                | -                               | -                                 | -                                  | -                                 |
| GN - BS                       | 1.3 $\pm$ 1.3/0                 | 3.8 $\pm$ 2.7/<br>0.1 $\pm$ 0.2   | 12.0 $\pm$ 6.6/<br>0.2 $\pm$ 0.6  | 5.6 $\pm$ 3.8/<br>0.2 $\pm$ 0.5       | 1.0 $\pm$ 1.3/<br>0.1 $\pm$ 0.3     | -                                | -                               | -                                 | -                                  | -                                 |
| EF - MT                       | -                               | -                                 | -                                 | -                                     | -                                   | -                                | -                               | -                                 | -                                  | -                                 |

|         | WI  | SP                  | SU                  | LSU                 | AU                  | WI                    | SP                    | SU                    | LSU                   | AU                   |
|---------|-----|---------------------|---------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| EF - BT | 0/0 | 0.1±0.2/<br>0.3±0.6 | 0.3±0.6/<br>0.7±0.7 | 0.2±0.5/<br>0.2±0.4 | 0.1±0.2/0           | -                     | -                     | -                     | -                     | -                    |
| EF - BS | 0/0 | 0.1±0.2/<br>0.1±0.2 | 0.3±0.6/<br>0.2±0.6 | 0.2±0.5/<br>0.2±0.5 | 0.1±0.2/<br>0.1±0.3 | -                     | -                     | -                     | -                     | -                    |
| MT - BT | -   | -                   | -                   | -                   | -                   | -                     | -                     | -                     | -                     | -                    |
| MT - BS | -   | -                   | -                   | -                   | -                   | -                     | -                     | -                     | -                     | -                    |
| BT - BS | 0/0 | 0.3±0.6/<br>0.1±0.2 | 0.7±0.7/<br>0.2±0.6 | 0.2±0.4/<br>0.2±0.5 | 0/0.1±0.3           | 10.7±11.1/<br>0.4±0.8 | 13.5±14.0/<br>2.5±2.5 | 16.6±16.4/<br>3.1±3.5 | 21.9±12.3/<br>1.5±2.1 | 11.8±4.8/<br>1.6±1.8 |

**Table S7: Model results regarding the comparison of trait-based indices and trait values among fishing methods and seasons.**

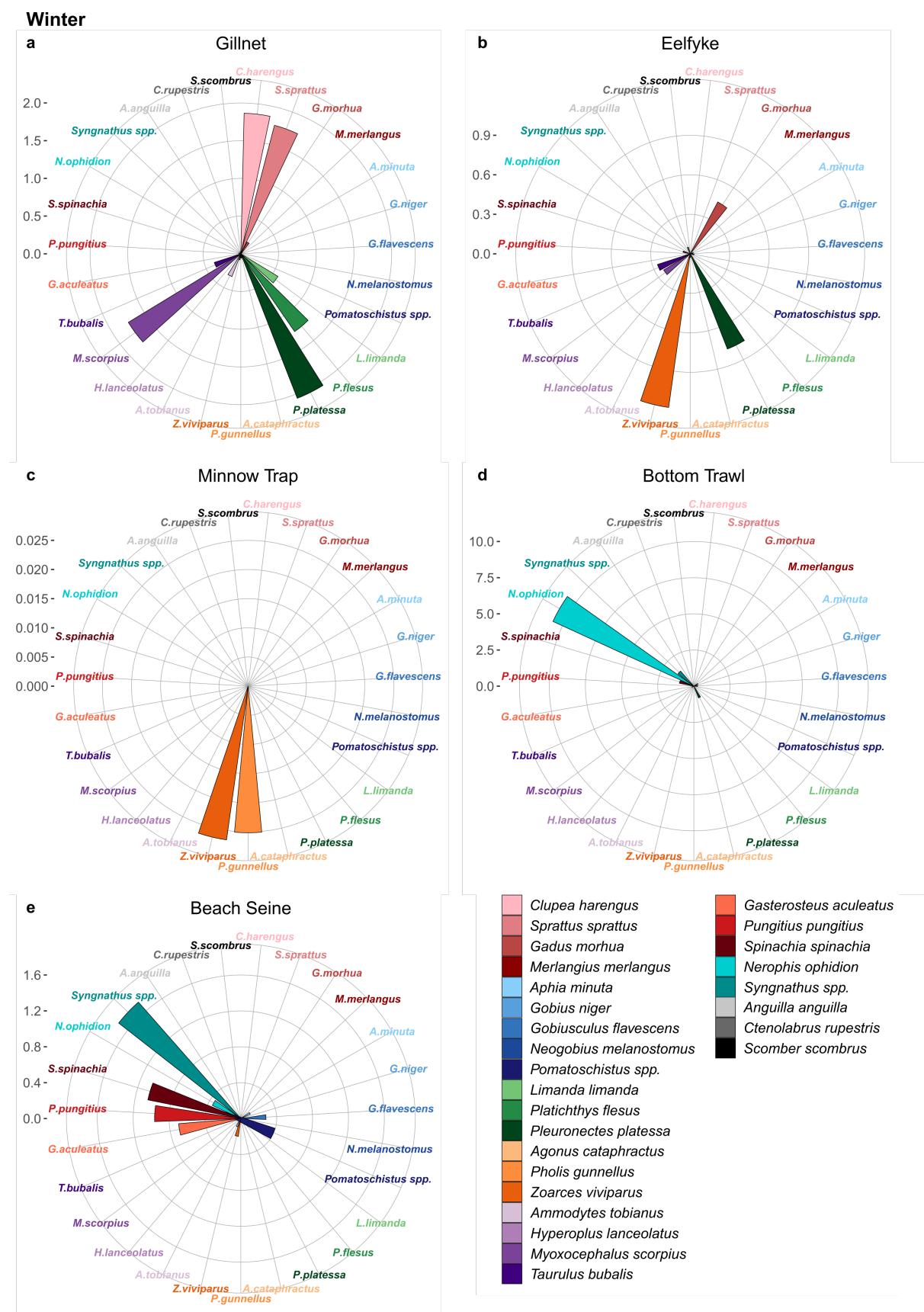
| Variable                       | df | $\chi^2$ | p        | Variable                       | df | $\chi^2$ | p        |
|--------------------------------|----|----------|----------|--------------------------------|----|----------|----------|
| <i>Trait richness</i>          |    |          |          | <i>Caudal fin - forked</i>     |    |          |          |
| fishing method                 | 3  | 172      | < 0.001* | fishing method                 | 2  | 110      | < 0.001* |
| season                         | 4  | 28       | < 0.001* | season                         | 4  | 25       | < 0.001* |
| fishing method*season          | 12 | 53       | < 0.001* | fishing method*season          | 8  | 16       | 0.048*   |
| <i>Trait dispersion</i>        |    |          |          | <i>Caudal fin - rounded</i>    |    |          |          |
| fishing method                 | 3  | 103      | < 0.001* | fishing method                 | 4  | 873      | < 0.001* |
| season                         | 4  | 33       | < 0.001* | season                         | 4  | 173      | < 0.001* |
| fishing method*season          | 12 | 44       | < 0.001* | fishing method*season          | 16 | 224      | < 0.001* |
| <i>Body size (continuous)</i>  |    |          |          | <i>Caudal fin - truncated</i>  |    |          |          |
| fishing method                 | 4  | 1729     | < 0.001* | fishing method                 | 4  | 197      | < 0.001* |
| season                         | 4  | 229      | < 0.001* | season                         | 4  | 133      | < 0.001* |
| fishing method*season          | 16 | 178      | < 0.001* | fishing method*season          | 16 | 69       | < 0.001* |
| <i>Diet - piscivorous</i>      |    |          |          | <i>Body shape - eel-like</i>   |    |          |          |
| fishing method                 | 4  | 1521     | < 0.001* | fishing method                 | 4  | 821      | < 0.001* |
| season                         | 4  | 149      | < 0.001* | season                         | 4  | 86       | < 0.001* |
| fishing method*season          | 16 | 152      | < 0.001* | fishing method*season          | 16 | 133      | < 0.001* |
| <i>Diet - benthivorous</i>     |    |          |          | <i>Body shape - elongated</i>  |    |          |          |
| fishing method                 | 4  | 1167     | < 0.001* | fishing method                 | 4  | 862      | < 0.001* |
| season                         | 4  | 185      | < 0.001* | season                         | 4  | 12       | 0.016*   |
| fishing method*season          | 16 | 183      | < 0.001* | fishing method*season          | 16 | 155      | < 0.001* |
| <i>Diet - planktivorous</i>    |    |          |          | <i>Body shape - flat</i>       |    |          |          |
| fishing method                 | 3  | 1263     | < 0.001* | fishing method                 | 3  | 450      | < 0.001* |
| season                         | 4  | 83       | < 0.001* | season                         | 4  | 64       | < 0.001* |
| fishing method*season          | 12 | 252      | < 0.001* | fishing method*season          | 12 | 45       | < 0.001* |
| <i>Habitat - benthopelagic</i> |    |          |          | <i>Body shape - normal</i>     |    |          |          |
| fishing method                 | 4  | 550      | < 0.001* | fishing method                 | 4  | 547      | < 0.001* |
| season                         | 4  | 136      | < 0.001* | season                         | 4  | 120      | < 0.001* |
| fishing method*season          | 16 | 116      | < 0.001* | fishing method*season          | 16 | 122      | < 0.001* |
| <i>Habitat - demersal</i>      |    |          |          | <i>Sociability - singleton</i> |    |          |          |
| fishing method                 | 4  | 966      | < 0.001* | fishing method                 | 4  | 661      | < 0.001* |
| season                         | 4  | 227      | < 0.001* | season                         | 4  | 195      | < 0.001* |
| fishing method*season          | 16 | 205      | < 0.001* | fishing method*season          | 16 | 154      | < 0.001* |
| <i>Habitat - pelagic</i>       |    |          |          | <i>Sociability - paired</i>    |    |          |          |
| fishing method                 | 1  | 1.89     | 0.169    | fishing method                 | 4  | 284      | < 0.001* |
| season                         | 4  | 17       | 0.002*   | season                         | 4  | 32       | < 0.001* |
| fishing method*season          | 4  | 8        | 0.102    | fishing method*season          | 16 | 184      | < 0.001* |
| <i>Caudal fin - continuous</i> |    |          |          | <i>Sociability - schools</i>   |    |          |          |
| fishing method                 | 4  | 278      | < 0.001* | fishing method                 | 4  | 646      | < 0.001* |
| season                         | 4  | 28       | < 0.001* | season                         | 4  | 104      | < 0.001* |
| fishing method*season          | 16 | 29       | 0.024*   | fishing method*season          | 16 | 65       | < 0.001* |

**Table S8. Post hoc results of the comparison of life-history and morphological traits between fishing methods (GN: gillnet; EF: eelfyke; MT: minnow trap; BS: beach seine; BT: bottom trawl) in the different seasons (WI: winter, SP: spring, SU: summer, LSU: late summer, AU: autumn) displaying mean trait values  $\pm$  SD. Colours define the level of statistical significance based on p-values:  $p \geq 0.05$  (white),  $p < 0.05$  (light green),  $p < 0.01$  (medium green),  $p < 0.001$  (dark green); – : not analysed/comparable**

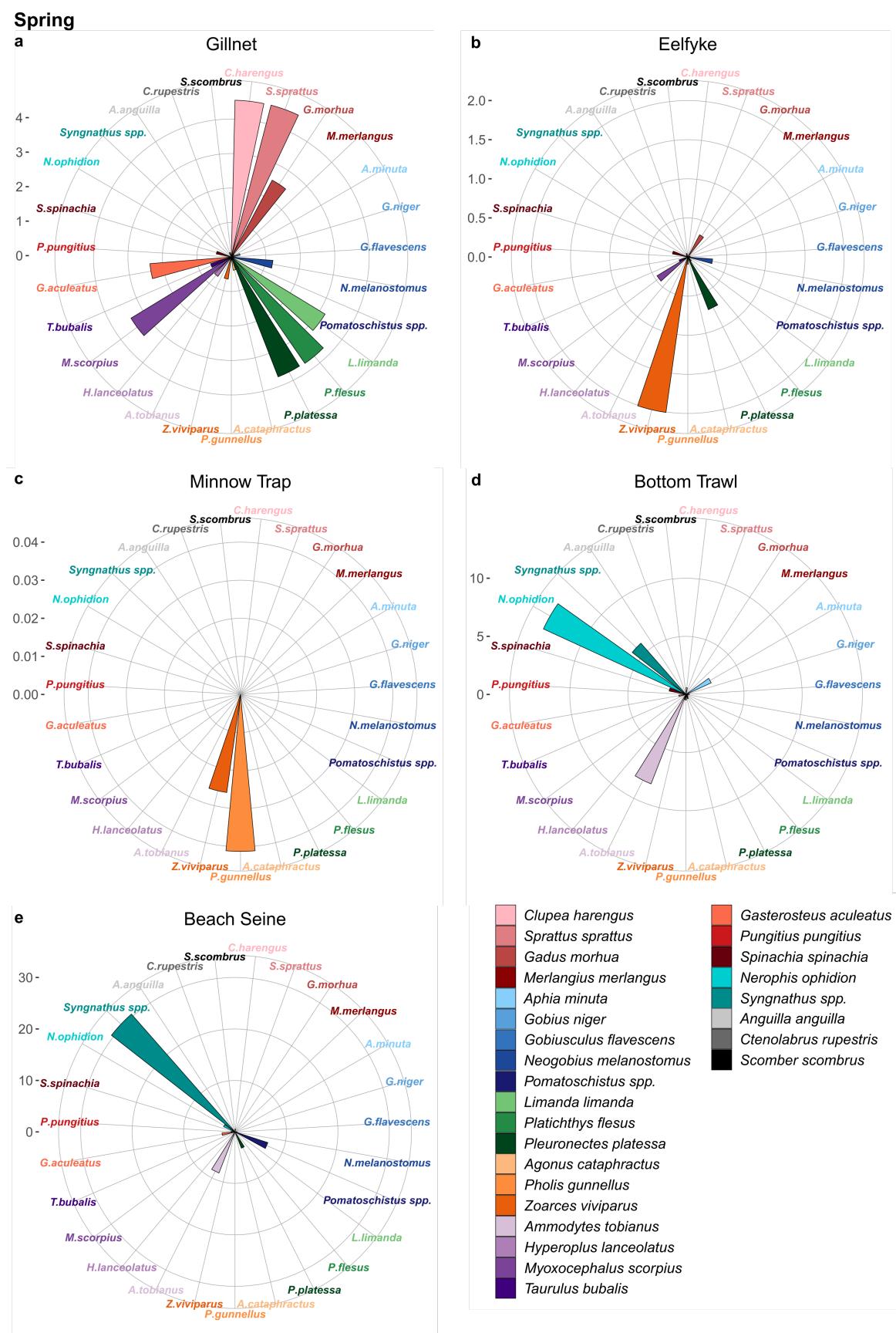
|         | WI                                      | SP  | SU  | LSU                                       | AU  | WI                                | SP                               | SU                               | LSU                              | AU                              |
|---------|---|---|---|---|---|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|
|         | <i>Body size (continuous)</i>           |   |   |   |   | <i>Diet - piscivorous</i>         |                                  |                                  |                                  |                                 |
| GN - EF | 997.6 $\pm$ 387.4/<br>344.8 $\pm$ 201.9 | 2212.9 $\pm$ 559.9/<br>465.4 $\pm$ 227.8  | 1661.0 $\pm$ 551.4/<br>643.0 $\pm$ 333.9  | 1653.7 $\pm$ 312.8/<br>698.2 $\pm$ 300.1  | 1398.3 $\pm$ 786.5/<br>633.4 $\pm$ 375.9  | 1.1 $\pm$ 0.6/<br>0.4 $\pm$ 0.3   | 3.3 $\pm$ 1.0/<br>0.4 $\pm$ 0.4  | 2.8 $\pm$ 1.1/<br>0.4 $\pm$ 0.4  | 2.8 $\pm$ 0.6/<br>0.6 $\pm$ 0.3  | 2.2 $\pm$ 1.1/<br>0.8 $\pm$ 0.4 |
| GN - MT | 997.6 $\pm$ 387.4/<br>94.7 $\pm$ 40.6   | 2212.9 $\pm$ 559.9/<br>1126.9 $\pm$ 432.1 | 1661.0 $\pm$ 551.4/<br>1732.4 $\pm$ 571.0 | 1653.7 $\pm$ 312.8/<br>2181.2 $\pm$ 477.7 | 1398.3 $\pm$ 786.5/<br>1681.3 $\pm$ 72.9  | 1.1 $\pm$ 0.6/0<br>0.05 $\pm$ 0.1 | 3.3 $\pm$ 1.0/0<br>0.3 $\pm$ 0.2 | 2.8 $\pm$ 1.1/0<br>1.3 $\pm$ 1.1 | 2.8 $\pm$ 0.6/<br>1.7 $\pm$ 1.3  | 2.2 $\pm$ 1.1/<br>0.3 $\pm$ 0.1 |
| GN - BT | 997.6 $\pm$ 387.4/<br>606.4 $\pm$ 329.4 | 2212.9 $\pm$ 559.9/<br>1126.9 $\pm$ 432.1 | 1661.0 $\pm$ 551.4/<br>1732.4 $\pm$ 571.0 | 1653.7 $\pm$ 312.8/<br>2181.2 $\pm$ 477.7 | 1398.3 $\pm$ 786.5/<br>1681.3 $\pm$ 72.9  | 1.1 $\pm$ 0.6/<br>0.05 $\pm$ 0.1  | 3.3 $\pm$ 1.0/<br>0.3 $\pm$ 0.2  | 2.8 $\pm$ 1.1/<br>1.3 $\pm$ 1.1  | 2.8 $\pm$ 0.6/<br>1.7 $\pm$ 1.3  | 2.2 $\pm$ 1.1/<br>0.2 $\pm$ 0.3 |
| GN - BS | 997.6 $\pm$ 387.4/<br>251.1 $\pm$ 235.8 | 2212.9 $\pm$ 559.9/<br>825.7 $\pm$ 367.8  | 1661.0 $\pm$ 551.4/<br>974.6 $\pm$ 296.0  | 1653.7 $\pm$ 312.8/<br>1388.5 $\pm$ 323.1 | 1398.3 $\pm$ 786.5/<br>1243.0 $\pm$ 285.9 | 1.1 $\pm$ 0.6/<br>0.2 $\pm$ 0.3   | 3.3 $\pm$ 1.0/<br>0.6 $\pm$ 0.6  | 2.8 $\pm$ 1.1/<br>1.4 $\pm$ 0.8  | 2.8 $\pm$ 0.6/<br>1.6 $\pm$ 0.7  | 2.2 $\pm$ 1.1/<br>1.7 $\pm$ 0.9 |
| EF - MT | 344.8 $\pm$ 201.9/<br>94.7 $\pm$ 40.6   | 465.4 $\pm$ 227.8/<br>99.2 $\pm$ 9.6      | 643.0 $\pm$ 333.9/<br>79.4 $\pm$ 35.5     | 698.2 $\pm$ 300.1/<br>65.7 $\pm$ 36.8     | 633.4 $\pm$ 375.9/<br>78.6 $\pm$ 53.1     | 0.4 $\pm$ 0.3/0                   | 0.4 $\pm$ 0.4/0                  | 0.4 $\pm$ 0.4/0                  | 0.6 $\pm$ 0.3/<br>0.1 $\pm$ 0.1  | 0.8 $\pm$ 0.4/<br>0.3 $\pm$ 0.1 |
| EF - BT | 344.8 $\pm$ 201.9/<br>606.4 $\pm$ 329.4 | 465.4 $\pm$ 227.8/<br>1126.9 $\pm$ 432.1  | 643.0 $\pm$ 333.9/<br>1732.4 $\pm$ 571.0  | 698.2 $\pm$ 300.1/<br>2181.2 $\pm$ 477.7  | 633.4 $\pm$ 375.9/<br>1681.3 $\pm$ 72.9   | 0.4 $\pm$ 0.3/<br>0.05 $\pm$ 0.1  | 0.4 $\pm$ 0.4/<br>0.3 $\pm$ 0.2  | 0.4 $\pm$ 0.4/<br>1.3 $\pm$ 1.1  | 0.6 $\pm$ 0.3/<br>1.7 $\pm$ 1.3  | 0.8 $\pm$ 0.4/<br>0.2 $\pm$ 0.3 |
| EF - BS | 344.8 $\pm$ 201.9/<br>251.1 $\pm$ 235.8 | 465.4 $\pm$ 227.8/<br>825.7 $\pm$ 367.8   | 643.0 $\pm$ 333.9/<br>974.6 $\pm$ 296.0   | 698.2 $\pm$ 300.1/<br>1388.5 $\pm$ 323.1  | 633.4 $\pm$ 375.9/<br>1243.0 $\pm$ 285.9  | 0.4 $\pm$ 0.3/<br>0.2 $\pm$ 0.3   | 0.4 $\pm$ 0.4/<br>0.6 $\pm$ 0.6  | 0.4 $\pm$ 0.4/<br>1.4 $\pm$ 0.8  | 0.6 $\pm$ 0.3/<br>1.6 $\pm$ 0.7  | 0.8 $\pm$ 0.4/<br>1.7 $\pm$ 0.9 |
| MT - BT | 94.7 $\pm$ 40.6/<br>606.4 $\pm$ 329.4   | 1126.9 $\pm$ 432.1/<br>99.2 $\pm$ 9.6     | 1732.4 $\pm$ 571.0/<br>79.4 $\pm$ 35.5    | 2181.2 $\pm$ 477.7/<br>65.7 $\pm$ 36.8    | 1681.3 $\pm$ 72.9/<br>78.6 $\pm$ 53.1     | 0/0.05 $\pm$ 0.1                  | 0/0.3 $\pm$ 0.2                  | 0/1.3 $\pm$ 1.1                  | 0.1 $\pm$ 0.1/<br>1.7 $\pm$ 1.3  | 0.3 $\pm$ 0.1/<br>0.2 $\pm$ 0.3 |
| MT - BS | 94.7 $\pm$ 40.6/<br>251.1 $\pm$ 235.8   | 1126.9 $\pm$ 432.1/<br>825.7 $\pm$ 367.8  | 1732.4 $\pm$ 571.0/<br>974.6 $\pm$ 296.0  | 2181.2 $\pm$ 477.7/<br>1388.5 $\pm$ 323.1 | 1681.3 $\pm$ 72.9/<br>1243.0 $\pm$ 285.9  | 0/0.2 $\pm$ 0.3                   | 0/0.6 $\pm$ 0.6                  | 0/1.4 $\pm$ 0.8                  | 0.1 $\pm$ 0.1/<br>1.6 $\pm$ 0.7  | 0.3 $\pm$ 0.1/<br>1.7 $\pm$ 0.9 |
| BT - BS | 606.4 $\pm$ 329.4/<br>251.1 $\pm$ 235.8 | 1126.9 $\pm$ 432.1/<br>825.7 $\pm$ 367.8  | 1732.4 $\pm$ 571.0/<br>974.6 $\pm$ 296.0  | 2181.2 $\pm$ 477.7/<br>1388.5 $\pm$ 323.1 | 1681.3 $\pm$ 72.9/<br>1243.0 $\pm$ 285.9  | 0.05 $\pm$ 0.1/<br>0.2 $\pm$ 0.3  | 0.3 $\pm$ 0.2/<br>0.6 $\pm$ 0.6  | 1.3 $\pm$ 1.1/<br>1.4 $\pm$ 0.8  | 1.7 $\pm$ 1.3/<br>1.6 $\pm$ 0.7  | 0.2 $\pm$ 0.3/<br>1.7 $\pm$ 0.9 |
|         | <i>Diet - benthivorous</i>              |   |   |   |   | <i>Diet - planktivorous</i>       |                                  |                                  |                                  |                                 |
| GN - EF | 2.2 $\pm$ 1.1/<br>1.6 $\pm$ 1.0         | 5.5 $\pm$ 1.4/<br>2.0 $\pm$ 1.0           | 4.4 $\pm$ 2.4/<br>2.1 $\pm$ 0.9           | 4.6 $\pm$ 1.6/<br>2.7 $\pm$ 1.4           | 4.0 $\pm$ 2.8/<br>2.4 $\pm$ 1.5           | 1.7 $\pm$ 1.2/<br>0.02 $\pm$ 0.1  | 3.0 $\pm$ 1.6/<br>0.1 $\pm$ 0.2  | 0.8 $\pm$ 0.6/0                  | 1.3 $\pm$ 0.8/0                  | 1.8 $\pm$ 1.2/0                 |
| GN - MT | 2.2 $\pm$ 1.1/<br>0.5 $\pm$ 0.2         | 5.5 $\pm$ 1.4/<br>0.5 $\pm$ 0.1           | 4.4 $\pm$ 2.4/<br>0.9 $\pm$ 0.2           | 4.6 $\pm$ 1.6/<br>0.7 $\pm$ 0.4           | 4.0 $\pm$ 2.8/<br>0.3 $\pm$ 0.1           | -                                 | -                                | -                                | -                                | -                               |
| GN - BT | 2.2 $\pm$ 1.1/<br>2.3 $\pm$ 0.7         | 5.5 $\pm$ 1.4/<br>3.8 $\pm$ 1.9           | 4.4 $\pm$ 2.4/<br>6.7 $\pm$ 2.8           | 4.6 $\pm$ 1.6/<br>12.2 $\pm$ 3.5          | 4.0 $\pm$ 2.8/<br>8.5 $\pm$ 0.2           | 1.7 $\pm$ 1.2/<br>1.9 $\pm$ 1.1   | 3.0 $\pm$ 1.6/<br>4.3 $\pm$ 1.5  | 0.8 $\pm$ 0.6/<br>6.8 $\pm$ 3.9  | 1.3 $\pm$ 0.8/<br>8.3 $\pm$ 2.1  | 1.8 $\pm$ 1.2/<br>6.9 $\pm$ 0.6 |
| GN - BS | 2.2 $\pm$ 1.1/<br>1.8 $\pm$ 1.8         | 5.5 $\pm$ 1.4/<br>5.6 $\pm$ 2.4           | 4.4 $\pm$ 2.4/<br>7.8 $\pm$ 2.4           | 4.6 $\pm$ 1.6/<br>13.2 $\pm$ 2.6          | 4.0 $\pm$ 2.8/<br>8.8 $\pm$ 1.5           | 1.7 $\pm$ 1.2/<br>1.1 $\pm$ 1.1   | 3.0 $\pm$ 1.6/<br>3.6 $\pm$ 1.4  | 0.8 $\pm$ 0.6/<br>4.5 $\pm$ 1.6  | 1.3 $\pm$ 0.8/<br>6.4 $\pm$ 1.3  | 1.8 $\pm$ 1.2/<br>4.6 $\pm$ 1.7 |
| EF - MT | 1.6 $\pm$ 1.0/<br>0.5 $\pm$ 0.02        | 2.0 $\pm$ 1.0/<br>0.5 $\pm$ 0.1           | 2.1 $\pm$ 0.9/<br>0.9 $\pm$ 0.2           | 2.7 $\pm$ 1.4/<br>0.7 $\pm$ 0.4           | 2.4 $\pm$ 1.5/<br>0.3 $\pm$ 0.1           | -                                 | -                                | -                                | -                                | -                               |
| EF - BT | 1.6 $\pm$ 1.0/<br>2.3 $\pm$ 0.7         | 2.0 $\pm$ 1.0/<br>3.8 $\pm$ 1.9           | 2.1 $\pm$ 0.9/<br>6.7 $\pm$ 2.8           | 2.7 $\pm$ 1.4/<br>12.2 $\pm$ 3.5          | 2.4 $\pm$ 1.5/<br>8.5 $\pm$ 0.2           | 0.02 $\pm$ 0.1/<br>1.9 $\pm$ 1.1  | 0.1 $\pm$ 0.2/<br>4.3 $\pm$ 1.5  | 0/6.8 $\pm$ 3.9                  | 0/8.3 $\pm$ 2.1                  | 0/6.9 $\pm$ 0.6                 |
| EF - BS | 1.6 $\pm$ 1.0/<br>1.8 $\pm$ 1.8         | 2.0 $\pm$ 1.0/<br>5.6 $\pm$ 2.4           | 2.1 $\pm$ 0.9/<br>7.8 $\pm$ 2.4           | 2.7 $\pm$ 1.4/<br>13.2 $\pm$ 2.6          | 2.4 $\pm$ 1.5/<br>8.8 $\pm$ 1.5           | 0.02 $\pm$ 0.1/<br>1.1 $\pm$ 1.1  | 0.1 $\pm$ 0.2/<br>3.6 $\pm$ 1.4  | 0/4.5 $\pm$ 1.6                  | 0/6.4 $\pm$ 1.3                  | 0/4.6 $\pm$ 1.7                 |
| MT - BT | 0.5 $\pm$ 0.02/<br>2.3 $\pm$ 0.7        | 0.5 $\pm$ 0.1/<br>3.8 $\pm$ 1.9           | 0.9 $\pm$ 0.2/<br>6.7 $\pm$ 2.8           | 0.7 $\pm$ 0.4/<br>12.2 $\pm$ 3.5          | 0.3 $\pm$ 0.1/<br>8.5 $\pm$ 0.2           | -                                 | -                                | -                                | -                                | -                               |
| MT - BS | 0.5 $\pm$ 0.02/<br>1.8 $\pm$ 1.8        | 0.5 $\pm$ 0.1/<br>5.6 $\pm$ 2.4           | 0.9 $\pm$ 0.2/<br>7.8 $\pm$ 2.4           | 0.7 $\pm$ 0.4/<br>13.2 $\pm$ 2.6          | 0.3 $\pm$ 0.1/<br>8.8 $\pm$ 1.5           | -                                 | -                                | -                                | -                                | -                               |
| BT - BS | 2.3 $\pm$ 0.7/<br>1.8 $\pm$ 1.8         | 3.8 $\pm$ 1.9/<br>5.6 $\pm$ 2.4           | 6.7 $\pm$ 2.8/<br>7.8 $\pm$ 2.4           | 12.2 $\pm$ 3.5/<br>13.2 $\pm$ 2.6         | 8.5 $\pm$ 0.2/<br>8.8 $\pm$ 1.5           | 1.9 $\pm$ 1.1/<br>1.1 $\pm$ 1.1   | 4.3 $\pm$ 1.5/<br>3.6 $\pm$ 1.4  | 6.8 $\pm$ 3.9/<br>4.5 $\pm$ 1.6  | 8.3 $\pm$ 2.1/<br>6.4 $\pm$ 1.3  | 6.9 $\pm$ 0.6/<br>4.6 $\pm$ 1.7 |
|         | <i>Habitat - benthopelagic</i>          |   |   |   |   | <i>Habitat - demersal</i>         |                                  |                                  |                                  |                                 |
| GN - EF | 0.9 $\pm$ 0.8/<br>0.4 $\pm$ 0.4         | 3.1 $\pm$ 1.7/<br>0.4 $\pm$ 0.6           | 1.8 $\pm$ 2.3/<br>0.3 $\pm$ 0.5           | 2.4 $\pm$ 1.4/<br>0.7 $\pm$ 0.6           | 3.1 $\pm$ 2.0/<br>1.1 $\pm$ 0.4           | 3.4 $\pm$ 1.7/<br>1.6 $\pm$ 1.1   | 7.3 $\pm$ 2.0/<br>2.1 $\pm$ 1.1  | 5.4 $\pm$ 2.2/<br>2.6 $\pm$ 1.2  | 4.8 $\pm$ 1.5/<br>2.8 $\pm$ 1.5  | 4.2 $\pm$ 2.4/<br>2.3 $\pm$ 1.8 |
| GN - MT | 0.9 $\pm$ 0.8/0                         | 3.1 $\pm$ 1.7/0                           | 1.8 $\pm$ 2.3/0                           | 2.4 $\pm$ 1.4/<br>0.2 $\pm$ 0.3           | 3.1 $\pm$ 2.0/<br>0.4 $\pm$ 0.5           | 3.4 $\pm$ 1.7/<br>0.5 $\pm$ 0.2   | 7.3 $\pm$ 2.0/<br>0.5 $\pm$ 0.1  | 5.4 $\pm$ 2.2/<br>0.9 $\pm$ 0.2  | 4.8 $\pm$ 1.5/<br>0.7 $\pm$ 0.5  | 4.2 $\pm$ 2.4/<br>0.3 $\pm$ 0.3 |
| GN - BT | 0.9 $\pm$ 0.8/<br>0.8 $\pm$ 0.4         | 3.1 $\pm$ 1.7/<br>1.6 $\pm$ 0.5           | 1.8 $\pm$ 2.3/<br>3.1 $\pm$ 2.6           | 2.4 $\pm$ 1.4/<br>9.4 $\pm$ 1.7           | 3.1 $\pm$ 2.0/<br>6.3 $\pm$ 0.1           | 3.4 $\pm$ 1.7/<br>3.2 $\pm$ 1.3   | 7.3 $\pm$ 2.0/<br>6.0 $\pm$ 2.7  | 5.4 $\pm$ 2.2/<br>9.9 $\pm$ 3.7  | 4.8 $\pm$ 1.5/<br>11.9 $\pm$ 3.8 | 4.2 $\pm$ 2.4/<br>8.9 $\pm$ 1.2 |
| GN - BS | 0.9 $\pm$ 0.8/<br>1.4 $\pm$ 1.9         | 3.1 $\pm$ 1.7/<br>1.8 $\pm$ 1.7           | 1.8 $\pm$ 2.3/<br>2.8 $\pm$ 1.4           | 2.4 $\pm$ 1.4/<br>6.9 $\pm$ 3.2           | 3.1 $\pm$ 2.0/<br>6.3 $\pm$ 2.9           | 3.4 $\pm$ 1.7/<br>1.5 $\pm$ 1.2   | 7.3 $\pm$ 2.0/<br>8.0 $\pm$ 3.0  | 5.4 $\pm$ 2.2/<br>10.8 $\pm$ 3.3 | 4.8 $\pm$ 1.5/<br>14.4 $\pm$ 3.2 | 4.2 $\pm$ 2.4/<br>8.8 $\pm$ 2.1 |
| EF - MT | 0.4 $\pm$ 0.4/0                         | 0.4 $\pm$ 0.6/0                           | 0.3 $\pm$ 0.5/0                           | 0.7 $\pm$ 0.6/<br>0.2 $\pm$ 0.3           | 1.1 $\pm$ 0.4/<br>0.4 $\pm$ 0.5           | 1.6 $\pm$ 1.1/<br>0.5 $\pm$ 0.02  | 2.1 $\pm$ 1.1/<br>0.5 $\pm$ 0.1  | 2.6 $\pm$ 1.2/<br>0.9 $\pm$ 0.2  | 2.8 $\pm$ 1.5/<br>0.7 $\pm$ 0.5  | 2.3 $\pm$ 1.8/<br>0.3 $\pm$ 0.3 |
| EF - BT | 0.4 $\pm$ 0.4/<br>0.8 $\pm$ 0.4         | 0.4 $\pm$ 0.6/<br>1.6 $\pm$ 0.5           | 0.3 $\pm$ 0.5/<br>3.1 $\pm$ 2.6           | 0.7 $\pm$ 0.6/<br>9.4 $\pm$ 1.7           | 1.1 $\pm$ 0.4/<br>6.3 $\pm$ 0.1           | 1.6 $\pm$ 1.1/<br>3.2 $\pm$ 1.3   | 2.1 $\pm$ 1.1/<br>6.0 $\pm$ 2.7  | 2.6 $\pm$ 1.2/<br>9.9 $\pm$ 3.7  | 2.8 $\pm$ 1.5/<br>11.9 $\pm$ 3.8 | 2.3 $\pm$ 1.8/<br>8.9 $\pm$ 1.2 |
| EF - BS | 0.4 $\pm$ 0.4/<br>1.4 $\pm$ 1.9         | 0.4 $\pm$ 0.6/<br>1.8 $\pm$ 1.7           | 0.3 $\pm$ 0.5/<br>2.8 $\pm$ 1.4           | 0.7 $\pm$ 0.6/<br>6.9 $\pm$ 3.2           | 1.1 $\pm$ 0.4/<br>6.3 $\pm$ 0.1           | 1.6 $\pm$ 1.1/<br>1.5 $\pm$ 1.2   | 2.1 $\pm$ 1.1/<br>8.0 $\pm$ 3.0  | 2.6 $\pm$ 1.2/<br>10.8 $\pm$ 3.3 | 2.8 $\pm$ 1.5/<br>14.4 $\pm$ 3.2 | 2.3 $\pm$ 1.8/<br>8.8 $\pm$ 2.1 |
| MT - BT | 0/0.8 $\pm$ 0.4                         | 0/1.6 $\pm$ 0.5                           | 0/3.1 $\pm$ 2.6                           | 0/2.0 $\pm$ 0.3/<br>9.4 $\pm$ 1.7         | 0/3.1 $\pm$ 2.0/<br>6.3 $\pm$ 0.1         | 0.5 $\pm$ 0.02/<br>3.2 $\pm$ 1.3  | 0.5 $\pm$ 0.1/<br>6.0 $\pm$ 2.7  | 0.9 $\pm$ 0.2/<br>9.9 $\pm$ 3.7  | 0.7 $\pm$ 0.5/<br>11.9 $\pm$ 3.8 | 0.3 $\pm$ 0.3/<br>8.9 $\pm$ 1.2 |
| MT - BS | 0/1.4 $\pm$ 1.9                         | 0/1.8 $\pm$ 1.7                           | 0/2.8 $\pm$ 1.4                           | 0/2.0 $\pm$ 0.3/<br>6.9 $\pm$ 3.2         | 0/4.0 $\pm$ 0.5/<br>6.3 $\pm$ 2.9         | 0.5 $\pm$ 0.02/<br>1.5 $\pm$ 1.2  | 0.5 $\pm$ 0.1/<br>8.0 $\pm$ 3.0  | 0.9 $\pm$ 0.2/<br>10.8 $\pm$ 3.3 | 0.7 $\pm$ 0.5/<br>14.4 $\pm$ 3.2 | 0.3 $\pm$ 0.3/<br>8.8 $\pm$ 2.1 |

|                               |                      |                     |                     |                     |                     |                                |                     |                      |                       |                       |
|-------------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|--------------------------------|---------------------|----------------------|-----------------------|-----------------------|
| BT - BS                       | 0.8±0.4/<br>1.4±1.9  | 1.6±0.5/<br>1.8±1.7 | 3.1±2.6/<br>2.8±1.4 | 9.4±1.7/<br>6.9±3.2 | 6.3±0.1/<br>6.3±2.9 | 3.2±1.3/<br>1.5±1.2            | 6.0±2.7/<br>8.0±3.0 | 9.9±3.7/<br>10.8±3.3 | 11.9±3.8/<br>14.4±3.2 | 8.9±1.2/<br>8.8±2.1   |
| <i>Habitat - pelagic</i>      |                      |                     |                     |                     |                     | <i>Caudal fin - continuous</i> |                     |                      |                       |                       |
| GN - EF                       | -                    | -                   | -                   | -                   | -                   | 0.1±0.2/<br>0.6±0.6            | 0.3±0.5/<br>0.9±0.9 | 0.3±0.5/<br>1.4±0.9  | 0.3±0.4/<br>1.3±0.9   | 0.1±0.2/<br>0.7±1.1   |
| GN - MT                       | -                    | -                   | -                   | -                   | -                   | 0.1±0.2/<br>0.2±0.3            | 0.3±0.5/<br>0.2±0.3 | 0.3±0.5/0            | 0.3±0.4/<br>0.1±0.3   | 0.1±0.2/0             |
| GN - BT                       | 0.8±0.7/<br>0.2±0.4  | 1.3±0.9/<br>0.8±1.0 | 0.9±0.8/<br>1.8±1.7 | 1.5±0.8/<br>1.0±1.1 | 0.7±0.9/<br>0.5±0.7 | 0.1±0.2/<br>1.9±1.2            | 0.3±0.5/<br>2.3±1.7 | 0.3±0.5/<br>2.8±1.1  | 0.3±0.4/<br>3.4±1.1   | 0.1±0.2/<br>2.5±0.4   |
| GN - BS                       | -                    | -                   | -                   | -                   | -                   | 0.1±0.2/<br>0.4±0.5            | 0.3±0.5/<br>1.0±0.8 | 0.3±0.5/<br>1.2±0.9  | 0.3±0.4/<br>0.6±0.8   | 0.1±0.2/<br>0.7±0.7   |
| EF - MT                       | -                    | -                   | -                   | -                   | -                   | 0.6±0.6/<br>0.2±0.3            | 0.9±0.9/<br>0.2±0.3 | 1.4±0.9/0            | 1.3±0.9/<br>0.1±0.3   | 0.7±1.1/0             |
| EF - BT                       | -                    | -                   | -                   | -                   | -                   | 0.6±0.6/<br>1.9±1.2            | 0.9±0.9/<br>2.3±1.7 | 1.4±0.9/<br>2.8±1.1  | 1.3±0.9/<br>3.4±1.1   | 0.7±1.1/<br>2.5±0.4   |
| EF - BS                       | -                    | -                   | -                   | -                   | -                   | 0.6±0.6/<br>0.4±0.5            | 0.9±0.9/<br>1.0±0.8 | 1.4±0.9/<br>1.2±0.9  | 1.3±0.9/<br>0.6±0.8   | 0.7±1.1/<br>0.7±0.7   |
| MT - BT                       | -                    | -                   | -                   | -                   | -                   | 0.2±0.3/<br>1.9±1.2            | 0.2±0.3/<br>2.3±1.7 | 0/2.8±1.1            | 0.1±0.3/<br>3.4±1.1   | 0/2.5±0.4             |
| MT - BS                       | -                    | -                   | -                   | -                   | -                   | 0.2±0.3/<br>0.4±0.5            | 0.2±0.3/<br>1.0±0.8 | 0/1.2±0.9            | 0.1±0.3/<br>0.6±0.8   | 0/0.7±0.7             |
| BT - BS                       | -                    | -                   | -                   | -                   | -                   | 1.9±1.2/<br>0.4±0.5            | 2.3±1.7/<br>1.0±0.8 | 2.8±1.1/<br>1.2±0.9  | 3.4±1.1/<br>0.6±0.8   | 2.5±0.4/<br>0.7±0.7   |
| <i>Caudal fin - forked</i>    |                      |                     |                     |                     |                     | <i>Caudal fin - rounded</i>    |                     |                      |                       |                       |
| GN - EF                       | -                    | -                   | -                   | -                   | -                   | 3.1±1.5/<br>1.0±0.7            | 6.7±1.5/<br>1.4±0.9 | 4.6±1.4/<br>1.1±0.8  | 4.4±1.3/<br>1.5±0.9   | 3.8±2.0/<br>1.6±1.0   |
| GN - MT                       | -                    | -                   | -                   | -                   | -                   | 3.1±1.5/<br>0.2±0.3            | 6.7±1.5/<br>0.3±0.4 | 4.6±1.4/<br>0.6±0.4  | 4.4±1.3/<br>0.6±0.6   | 3.8±2.0/<br>0.3±0.3   |
| GN - BT                       | 1.7±1.2/0            | 3.1±1.6/<br>0.9±1.6 | 1.2±1.0/<br>1.6±2.7 | 2.0±1.0/<br>0.1±0.3 | 1.8±1.2/0           | 3.1±1.5/<br>2.3±0.9            | 6.7±1.5/<br>4.8±2.3 | 4.6±1.4/<br>9.1±3.4  | 4.4±1.3/<br>15.7±4.8  | 3.8±2.0/<br>12.6±0.8  |
| GN - BS                       | 1.7±1.2/<br>0.1±0.2  | 3.1±1.6/<br>1.0±1.7 | 1.2±1.0/<br>0.6±1.1 | 2.0±1.0/<br>0.3±0.9 | 1.8±1.2/0           | 3.1±1.5/<br>2.2±2.3            | 6.7±1.5/<br>7.0±3.1 | 4.6±1.4/<br>10.1±3.4 | 4.4±1.3/<br>18.0±3.3  | 3.8±2.0/<br>11.3±2.4  |
| EF - MT                       | -                    | -                   | -                   | -                   | -                   | 1.0±0.7/<br>0.2±0.3            | 1.4±0.9/<br>0.3±0.4 | 1.1±0.8/<br>0.6±0.4  | 1.5±0.9/<br>0.6±0.6   | 1.6±1.0/<br>0.3±0.3   |
| EF - BT                       | -                    | -                   | -                   | -                   | -                   | 1.0±0.7/<br>2.3±0.9            | 1.4±0.9/<br>4.8±2.3 | 1.1±0.8/<br>9.1±3.4  | 1.5±0.9/<br>15.7±4.8  | 1.6±1.0/<br>12.6±0.8  |
| EF - BS                       | -                    | -                   | -                   | -                   | -                   | 1.0±0.7/<br>2.2±2.3            | 1.4±0.9/<br>7.0±3.1 | 1.1±0.8/<br>10.1±3.4 | 1.5±0.9/<br>18.0±3.3  | 1.6±1.0/<br>11.3±2.4  |
| MT - BT                       | -                    | -                   | -                   | -                   | -                   | 0.2±0.3/<br>2.3±0.9            | 0.3±0.4/<br>4.8±2.3 | 0.6±0.4/<br>9.1±3.4  | 0.6±0.6/<br>15.7±4.8  | 0.3±0.3/<br>12.6±0.8  |
| MT - BS                       | -                    | -                   | -                   | -                   | -                   | 0.2±0.3/<br>2.2±2.3            | 0.3±0.4/<br>7.0±3.1 | 0.6±0.4/<br>10.1±3.4 | 0.6±0.6/<br>18.0±3.3  | 0.3±0.3/<br>11.3±2.4  |
| BT - BS                       | 0/0.1±0.2            | 0.9±1.6/<br>1.0±1.7 | 1.6±2.7/<br>0.6±1.1 | 0.1±0.3/<br>0.3±0.9 | 0/0                 | 2.3±0.9/<br>2.2±2.3            | 4.8±2.3/<br>7.0±3.1 | 9.1±3.4/<br>10.1±3.4 | 15.7±4.8/<br>18.0±3.3 | 12.6±0.8/<br>11.3±2.4 |
| <i>Caudal fin - truncated</i> |                      |                     |                     |                     |                     | <i>Body shape - eel-like</i>   |                     |                      |                       |                       |
| GN - EF                       | 0.2±0.3/<br>0.4±0.4  | 1.6±1.3/<br>0.3±0.5 | 1.9±2.1/<br>0.4±0.6 | 2.0±1.2/<br>0.7±0.6 | 2.3±2.0/<br>1.1±0.4 | 0.1±0.2/<br>0.6±0.6            | 0.4±0.7/<br>1.0±0.9 | 0.4±0.6/<br>1.4±1.0  | 0.4±0.4/<br>1.3±0.9   | 0.1±0.4/<br>0.8±1.2   |
| GN - MT                       | 0.2±0.3/0            | 1.6±1.3/0           | 1.9±2.1/<br>0.3±0.6 | 2.0±1.2/<br>0.2±0.3 | 2.3±2.0/<br>0.4±0.4 | 0.1±0.2/<br>0.5±0.02           | 0.4±0.7/<br>0.5±0.1 | 0.4±0.6/<br>0.1±0.3  | 0.4±0.4/<br>0.1±0.3   | 0.1±0.4/0             |
| GN - BT                       | 0.2±0.3/0            | 1.6±1.3/            | 1.9±2.1/            | 2.0±1.2/            | 2.3±2.0/            | 0.1±0.2/                       | 0.4±0.7/            | 0.4±0.6/             | 0.4±0.4/              | 0.1±0.4/              |
| GN - BS                       | 0.2±0.3/<br>0.4±0.5  | 1.6±1.3/<br>0.8±0.9 | 1.9±2.1/<br>1.8±0.9 | 2.0±1.2/<br>2.3±1.4 | 2.3±2.0/<br>3.1±1.5 | 0.1±0.2/<br>1.0±1.1            | 0.4±0.7/<br>4.4±2.7 | 0.4±0.6/<br>5.2±1.1  | 0.4±0.4/<br>6.8±2.1   | 0.1±0.4/<br>5.5±2.0   |
| EF - MT                       | 0.4±0.4/0            | 0.3±0.5/0           | 0.4±0.6/            | 0.7±0.6/            | 1.1±0.4/            | 0.6±0.6/<br>0.5±0.02           | 1.0±0.9/<br>0.5±0.1 | 1.4±1.0/<br>0.1±0.3  | 1.3±0.9/<br>0.1±0.3   | 0.8±1.2/0             |
| EF - BT                       | 0.4±0.4/0            | 0.3±0.5/<br>0.4±0.5 | 0.4±0.6/<br>1.4±1.4 | 0.7±0.6/<br>3.1±2.3 | 1.1±0.4/<br>0.5±0.7 | 0.6±0.6/<br>2.6±1.7            | 1.0±0.9/<br>4.8±3.3 | 1.4±1.0/<br>6.2±2.4  | 1.3±0.9/<br>8.6±2.1   | 0.8±1.2/<br>7.0±2.0   |
| EF - BS                       | 0.4±0.4/<br>0.4±0.5  | 0.3±0.5/<br>0.8±0.9 | 0.4±0.6/<br>1.8±0.9 | 0.7±0.6/<br>2.3±1.4 | 1.1±0.4/<br>3.1±1.5 | 0.6±0.6/<br>1.0±1.1            | 1.0±0.9/<br>4.4±2.7 | 1.4±1.0/<br>5.2±1.1  | 1.3±0.9/<br>6.8±2.1   | 0.8±1.2/<br>5.5±2.0   |
| MT - BT                       | 0/0                  | 0/0.4±0.5           | 0.3±0.6/<br>1.4±1.4 | 0.2±0.3/<br>3.1±2.3 | 0.4±0.4/<br>0.5±0.7 | 0.5±0.02/<br>2.6±1.7           | 0.5±0.1/<br>4.8±3.3 | 0.1±0.3/<br>6.2±2.4  | 0.1±0.3/<br>8.6±2.1   | 0/7.0±2.0             |
| MT - BS                       | 0/0.4±0.5            | 0/0.8±0.9           | 0.3±0.6/<br>1.8±0.9 | 0.2±0.3/<br>2.3±1.4 | 0.4±0.4/<br>3.1±1.5 | 0.5±0.02/<br>1.0±1.1           | 0.5±0.1/<br>4.4±2.7 | 0.1±0.3/<br>5.2±1.1  | 0.1±0.3/<br>6.8±2.1   | 0/5.5±2.0             |
| BT - BS                       | 0/0.4±0.5            | 0.4±0.5/<br>0.8±0.9 | 1.4±1.4/<br>1.8±0.9 | 3.1±2.3/<br>2.3±1.4 | 0.5±0.7/<br>3.1±1.5 | 2.6±1.7/<br>1.0±1.1            | 4.8±3.3/<br>4.4±2.7 | 6.2±2.4/<br>5.2±1.1  | 8.6±2.1/<br>6.8±2.1   | 7.0±2.0/<br>5.5±2.0   |
| <i>Body shape - elongated</i> |                      |                     |                     |                     |                     | <i>Body shape - flat</i>       |                     |                      |                       |                       |
| GN - EF                       | 0.3±0.5/<br>0.04±0.1 | 1.0±0.8/<br>0.1±0.3 | 0.5±0.6/0           | 0.2±0.5/0           | 0.4±0.5/<br>0.1±0.2 | 1.9±1.1/<br>0.5±0.5            | 4.0±1.0/<br>0.5±0.6 | 3.8±1.0/<br>0.7±0.7  | 3.0±0.8/<br>1.2±0.8   | 2.1±1.6/<br>1.0±0.9   |
| GN - MT                       | 0.3±0.5/0            | 1.0±0.8/0           | 0.5±0.6/            | 0.2±0.5/0           | 0.1±0.2/0           | -                              | -                   | -                    | -                     | -                     |

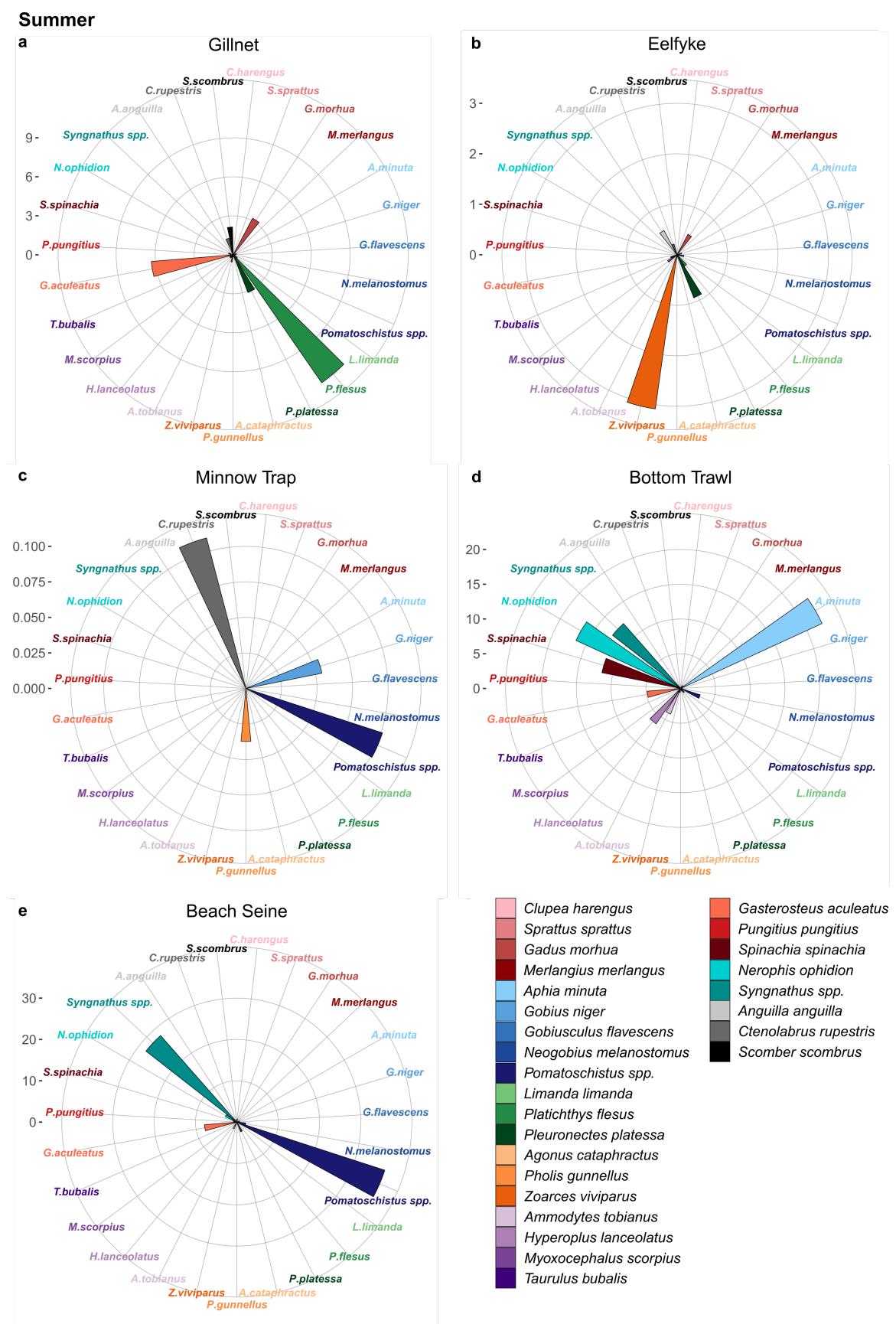
|                                      |                      | 0.3±0.4             |                     |                     |                     |  |                     |                     |                       |                     |   |
|--------------------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|--|---------------------|---------------------|-----------------------|---------------------|---|
| GN - BT                              | 0.3±0.5/<br>1.0±0.6  | 1.0±0.8/<br>2.6±1.9 | 0.5±0.6/<br>6.2±4.2 | 0.2±0.5/<br>9.4±3.2 | 0.1±0.2/<br>7.8±1.3 | 1.9±1.1/<br>0.6±0.4                    | 4.0±1.0/<br>0.4±0.7 | 3.8±1.0/<br>0.8±0.6 | 3.0±0.8/<br>0.5±0.6   | 2.1±1.6/<br>0.3±0.5 |   |
|                                      | 0.3±0.5/<br>1.6±1.7  | 1.0±0.8/<br>3.0±2.0 | 0.5±0.6/<br>4.3±2.8 | 0.2±0.5/<br>8.7±2.6 | 0.1±0.2/<br>5.8±1.8 | 1.9±1.1/0                              | 4.0±1.0/<br>1.0±0.9 | 3.8±1.0/<br>0.9±0.9 | 3.0±0.8/<br>0.6±0.8   | 2.1±1.6/<br>0.3±0.6 |   |
| EF - MT                              | 0.04±0.1/0           | 0.1±0.3/0           | 0/0.3±0.4           | 0/0                 | 0.1±0.2/0           | -                                      | -                   | -                   | -                     | -                   | - |
|                                      | 0.04±0.1/<br>1.0±0.6 | 0.1±0.3/<br>2.6±1.9 | 0/6.2±4.2           | 0/9.4±3.2           | 0.1±0.2/<br>7.8±1.3 | 0.5±0.5/<br>0.6±0.4                    | 0.5±0.6/<br>0.4±0.7 | 0.7±0.7/<br>0.8±0.6 | 1.2±0.8/<br>0.5±0.6   | 1.0±0.9/<br>0.3±0.5 |   |
| EF - BS                              | 0.04±0.1/<br>1.6±1.7 | 0.1±0.3/<br>3.0±2.0 | 0/4.3±2.8           | 0/8.7±2.6           | 0.1±0.2/<br>5.8±1.8 | 0.5±0.5/0                              | 0.5±0.6/<br>1.0±0.9 | 0.7±0.7/<br>0.9±0.9 | 1.2±0.8/<br>0.6±0.8   | 1.0±0.9/<br>0.3±0.6 |   |
|                                      | 0/1.0±0.6            | 0/2.6±1.9           | 0.3±0.4/<br>6.2±4.2 | 0/9.4±3.2           | 0/7.8±1.3           | -                                      | -                   | -                   | -                     | -                   | - |
| MT - BS                              | 0/1.6±1.7            | 0/3.0±2.0           | 0.3±0.4/<br>4.3±2.8 | 0/8.7±2.6           | 0/5.8±1.8           | -                                      | -                   | -                   | -                     | -                   | - |
|                                      | 1.0±0.6/<br>1.6±1.7  | 2.6±1.9/<br>3.0±2.0 | 6.2±4.2/<br>4.3±2.8 | 9.4±3.2/<br>8.7±2.6 | 7.8±1.3/<br>5.8±1.8 | 0.6±0.4/0                              | 0.4±0.7/<br>1.0±0.9 | 0.8±0.6/<br>0.9±0.9 | 0.5±0.6/<br>0.6±0.8   | 0.3±0.5/<br>0.3±0.6 |   |
| <i>Body shape - normal</i>           |                      |                     |                     |                     |                     | <i>Schooling behaviour - singleton</i> |                     |                     |                       |                     |   |
| GN - EF                              | 2.8±1.5/<br>0.8±0.5  | 6.4±2.9/<br>0.9±0.9 | 3.4±2.0/<br>0.7±0.9 | 5.1±1.9/<br>1.0±0.5 | 5.4±3.0/<br>1.7±0.8 | 2.8±1.4/<br>1.5±1.1                    | 6.6±1.7/<br>2.1±1.0 | 5.2±2.1/<br>2.5±1.1 | 4.7±1.5/<br>2.8±1.5   | 3.6±2.4/<br>2.2±1.8 |   |
|                                      | 2.8±1.5/0            | 6.4±2.9/0           | 3.4±2.0/<br>0.4±0.6 | 5.1±1.9/<br>0.7±0.5 | 5.4±3.0/<br>0.7±0.2 | 2.8±1.4/<br>0.5±0.02                   | 6.6±1.7/<br>0.5±0.1 | 5.2±2.1/<br>0.6±0.6 | 4.7±1.5/<br>0.7±0.5   | 3.6±2.4/<br>0.2±0.3 |   |
| GN - BT                              | 2.8±1.5/<br>0.1±0.3  | 6.4±2.9/<br>0.6±0.6 | 3.4±2.0/<br>1.7±1.3 | 5.1±1.9/<br>3.8±2.5 | 5.4±3.0/<br>0.5±0.7 | 2.8±1.4/<br>3.5±1.5                    | 6.6±1.7/<br>5.6±2.9 | 5.2±2.1/<br>8.6±3.1 | 4.7±1.5/<br>11.6±2.8  | 3.6±2.4/<br>8.9±1.9 |   |
|                                      | 2.8±1.5/<br>0.4±0.5  | 6.4±2.9/<br>1.4±1.2 | 3.4±2.0/<br>3.2±1.6 | 5.1±1.9/<br>5.2±2.2 | 5.4±3.0/<br>3.5±1.5 | 2.8±1.4/<br>1.6±1.5                    | 6.6±1.7/<br>6.4±3.6 | 5.2±2.1/<br>9.8±2.5 | 4.7±1.5/<br>14.0±2.7  | 3.6±2.4/<br>8.3±2.4 |   |
| EF - MT                              | 0.8±0.5/0            | 0.9±0.9/0           | 0.7±0.9/<br>0.4±0.6 | 1.0±0.5/<br>0.7±0.5 | 1.7±0.8/<br>0.7±0.2 | 1.5±1.1/<br>0.5±0.02                   | 2.1±1.0/<br>0.5±0.1 | 2.5±1.1/<br>0.6±0.6 | 2.8±1.5/<br>0.7±0.5   | 2.2±1.8/<br>0.2±0.3 |   |
|                                      | 0.8±0.5/<br>0.1±0.3  | 0.9±0.9/<br>0.6±0.6 | 0.7±0.9/<br>1.7±1.3 | 1.0±0.5/<br>3.8±2.5 | 1.7±0.8/<br>0.5±0.7 | 1.5±1.1/<br>3.5±1.5                    | 2.1±1.0/<br>5.6±2.9 | 2.5±1.1/<br>8.6±3.1 | 2.8±1.5/<br>11.6±2.8  | 2.2±1.8/<br>8.9±1.9 |   |
| EF - BS                              | 0.8±0.5/<br>0.4±0.5  | 0.9±0.9/<br>1.4±1.2 | 0.7±0.9/<br>3.2±1.6 | 1.0±0.5/<br>5.2±2.2 | 1.7±0.8/<br>3.5±1.5 | 1.5±1.1/<br>1.6±1.5                    | 2.1±1.0/<br>6.4±3.6 | 2.5±1.1/<br>9.8±2.5 | 2.8±1.5/<br>14.0±2.7  | 2.2±1.8/<br>8.3±2.4 |   |
|                                      | 0/0.1±0.3            | 0/0.6±0.6           | 0.4±0.6/<br>1.7±1.3 | 0.7±0.5/<br>3.8±2.5 | 0.7±0.2/<br>0.5±0.7 | 0.5±0.02/<br>3.5±1.5                   | 0.5±0.1/<br>5.6±2.9 | 0.6±0.6/<br>8.6±3.1 | 0.7±0.5/<br>11.6±2.8  | 0.2±0.3/<br>8.9±1.9 |   |
| MT - BS                              | 0/0.4±0.5            | 0/1.4±1.2           | 0.4±0.6/<br>3.2±1.6 | 0.7±0.5/<br>5.2±2.2 | 0.7±0.2/<br>3.5±1.5 | 0.5±0.02/<br>1.6±1.5                   | 0.5±0.1/<br>6.4±3.6 | 0.6±0.6/<br>9.8±2.5 | 0.7±0.5/<br>14.0±2.7  | 0.2±0.3/<br>8.3±2.4 |   |
|                                      | 0.1±0.3/<br>0.4±0.5  | 0.6±0.6/<br>1.4±1.2 | 1.7±1.3/<br>3.2±1.6 | 3.8±2.5/<br>5.2±2.2 | 0.5±0.7/<br>3.5±1.5 | 3.5±1.5/<br>1.6±1.5                    | 5.6±2.9/<br>6.4±3.6 | 8.6±3.1/<br>9.8±2.5 | 11.6±2.8/<br>14.0±2.7 | 8.9±1.9/<br>8.3±2.4 |   |
| <i>Schooling behaviour - paired</i>  |                      |                     |                     |                     |                     | <i>Schooling behaviour - schools</i>   |                     |                     |                       |                     |   |
| GN - EF                              | 0.5±0.3/<br>0.1±0.2  | 0.9±0.6/<br>0.2±0.3 | 0.3±0.4/<br>0.1±0.2 | 0.1±0.2/0           | 0.6±0.3/<br>0.2±0.2 | 1.9±1.2/<br>0.3±0.4                    | 4.2±2.3/<br>0.2±0.4 | 2.6±1.9/<br>0.3±0.5 | 3.9±1.3/<br>0.7±0.6   | 3.9±2.4/<br>1.1±0.4 |   |
|                                      | 0.5±0.3/0            | 0.9±0.6/0           | 0.3±0.4/<br>0.3±0.4 | 0.1±0.2/0           | 0.6±0.3/<br>0.1±0.1 | 1.9±1.2/0                              | 4.2±2.3/0           | 2.6±1.9/0           | 3.9±1.3/<br>0.2±0.3   | 3.9±2.4/<br>0.4±0.4 |   |
| GN - MT                              | 0.5±0.3/0            | 0.9±0.6/0           | 0.3±0.4/<br>0.3±0.4 | 0.1±0.2/0           | 0.6±0.3/<br>0.1±0.1 | 1.9±1.2/0                              | 4.2±2.3/0           | 2.6±1.9/0           | 3.9±1.3/<br>0.2±0.3   | 3.9±2.4/<br>0.4±0.4 |   |
|                                      | 0.5±0.3/<br>0.3±0.3  | 0.9±0.6/<br>0.5±0.3 | 0.3±0.4/<br>2.3±1.3 | 0.1±0.2/<br>3.7±1.7 | 0.6±0.3/<br>3.1±1.7 | 1.9±1.2/<br>0.4±0.6                    | 4.2±2.3/<br>2.3±1.2 | 2.6±1.9/<br>3.9±3.8 | 3.9±1.3/<br>7.0±1.8   | 3.9±2.4/<br>3.6±0.2 |   |
| GN - BS                              | 0.5±0.3/<br>0.4±0.4  | 0.9±0.6/<br>1.2±0.9 | 0.3±0.4/<br>1.2±1.3 | 0.1±0.2/<br>2.7±1.7 | 0.6±0.3/<br>1.9±0.9 | 1.9±1.2/<br>1.1±1.5                    | 4.2±2.3/<br>2.2±1.8 | 2.6±1.9/<br>2.7±1.7 | 3.9±1.3/<br>4.6±3.0   | 3.9±2.4/<br>4.9±2.4 |   |
|                                      | 0.1±0.2/0            | 0.2±0.3/0           | 0.1±0.2/<br>0.3±0.4 | 0/0                 | 0.2±0.2/<br>0.1±0.1 | 0.3±0.4/0                              | 0.2±0.4/0           | 0.3±0.5/0           | 0.7±0.6/<br>0.2±0.3   | 1.1±0.4/<br>0.4±0.4 |   |
| EF - MT                              | 0.1±0.2/0            | 0.2±0.3/0           | 0.1±0.2/<br>0.3±0.4 | 0/0                 | 0.2±0.2/<br>0.1±0.1 | 0.3±0.4/0                              | 0.2±0.4/0           | 0.3±0.5/0           | 0.7±0.6/<br>0.2±0.3   | 1.1±0.4/<br>0.4±0.4 |   |
|                                      | 0.1±0.2/<br>0.3±0.3  | 0.2±0.3/<br>0.5±0.3 | 0.1±0.2/<br>2.3±1.3 | 0/3.7±1.7           | 0.2±0.2/<br>3.1±1.7 | 0.3±0.4/<br>0.4±0.6                    | 0.2±0.4/<br>2.3±1.2 | 0.3±0.5/<br>3.9±3.8 | 0.7±0.6/<br>7.0±1.8   | 1.1±0.4/<br>3.6±0.2 |   |
| EF - BS                              | 0.1±0.2/<br>0.4±0.4  | 0.2±0.3/<br>1.2±0.9 | 0.1±0.2/<br>1.2±1.3 | 0/2.7±1.7           | 0.2±0.2/<br>1.9±0.9 | 0.3±0.4/<br>1.1±1.5                    | 0.2±0.4/<br>2.2±1.8 | 0.3±0.5/<br>2.7±1.7 | 0.7±0.6/<br>4.6±3.0   | 1.1±0.4/<br>4.9±2.4 |   |
|                                      | 0/0.3±0.3            | 0/0.5±0.3           | 0.3±0.4/<br>2.3±1.3 | 0/3.7±1.7           | 0.1±0.1/<br>3.1±1.7 | 0/0.4±0.6                              | 0/2.3±1.2           | 0/3.9±3.8           | 0.2±0.3/<br>7.0±1.8   | 0.4±0.4/<br>3.6±0.2 |   |
| MT - BS                              | 0/0.4±0.4            | 0/1.2±0.9           | 0.3±0.4/<br>1.2±1.3 | 0/2.7±1.7           | 0.1±0.1/<br>1.9±0.9 | 0/1.1±1.5                              | 0/2.2±1.8           | 0/2.7±1.7           | 0.2±0.3/<br>4.6±3.0   | 0.4±0.4/<br>4.9±2.4 |   |
|                                      | 0.3±0.3/<br>0.4±0.4  | 0.5±0.3/<br>1.2±0.9 | 2.3±1.3/<br>1.2±1.3 | 3.7±1.7/<br>2.7±1.7 | 3.1±1.7/<br>1.9±0.9 | 0.4±0.6/<br>1.1±1.5                    | 2.3±1.2/<br>2.2±1.8 | 3.9±3.8/<br>2.7±1.7 | 7.0±1.8/<br>4.6±3.0   | 3.6±0.2/<br>4.9±2.4 |   |
| <i>Schooling behaviour - schools</i> |                      |                     |                     |                     |                     | <i>Schooling behaviour - schools</i>   |                     |                     |                       |                     |   |
| BT - BS                              | 0.3±0.3/<br>0.4±0.4  | 0.5±0.3/<br>1.2±0.9 | 2.3±1.3/<br>1.2±1.3 | 3.7±1.7/<br>2.7±1.7 | 3.1±1.7/<br>1.9±0.9 | 0.4±0.6/<br>1.1±1.5                    | 2.3±1.2/<br>2.2±1.8 | 3.9±3.8/<br>2.7±1.7 | 7.0±1.8/<br>4.6±3.0   | 3.6±0.2/<br>4.9±2.4 |   |
|                                      | 0.3±0.3/<br>0.4±0.4  | 0.5±0.3/<br>1.2±0.9 | 2.3±1.3/<br>1.2±1.3 | 3.7±1.7/<br>2.7±1.7 | 3.1±1.7/<br>1.9±0.9 | 0.4±0.6/<br>1.1±1.5                    | 2.3±1.2/<br>2.2±1.8 | 3.9±3.8/<br>2.7±1.7 | 7.0±1.8/<br>4.6±3.0   | 3.6±0.2/<br>4.9±2.4 |   |



**Figure S1: Taxonomic composition in gillnets (a), eelfykes (b), minnow traps (c), bottom trawls (d) and beach seines (e) in winter showing the most abundant fish species considered in the analysis (cf. Table 2). Note the different scale of the y-axes.**

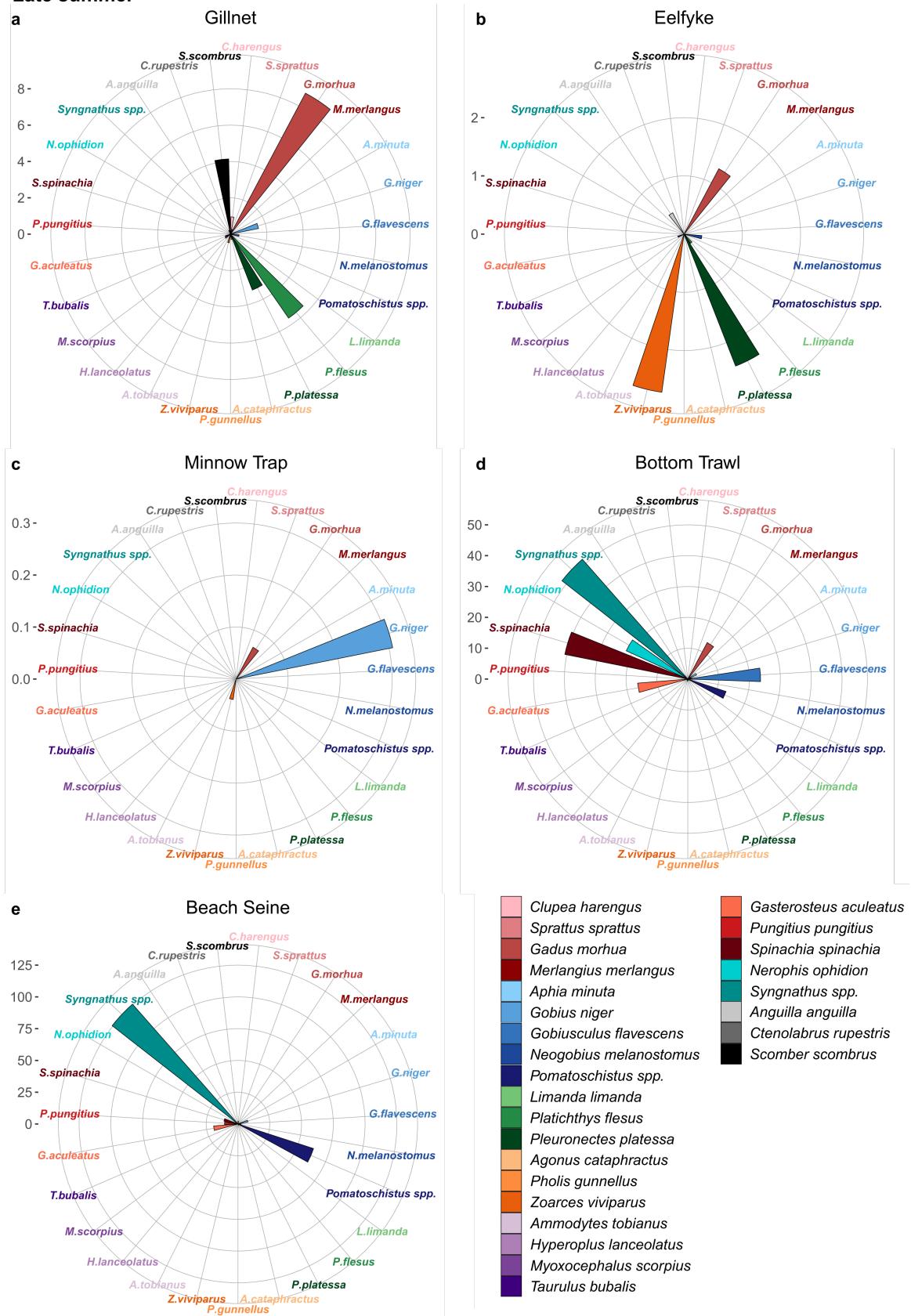


**Figure S2: Taxonomic composition in gillnets (a), eelfykes (b), minnow traps (c), bottom trawls (d) and beach seines (e) in spring showing the most abundant fish species considered in the analysis (cf. Table 2). Note the different scale of the y-axes.**

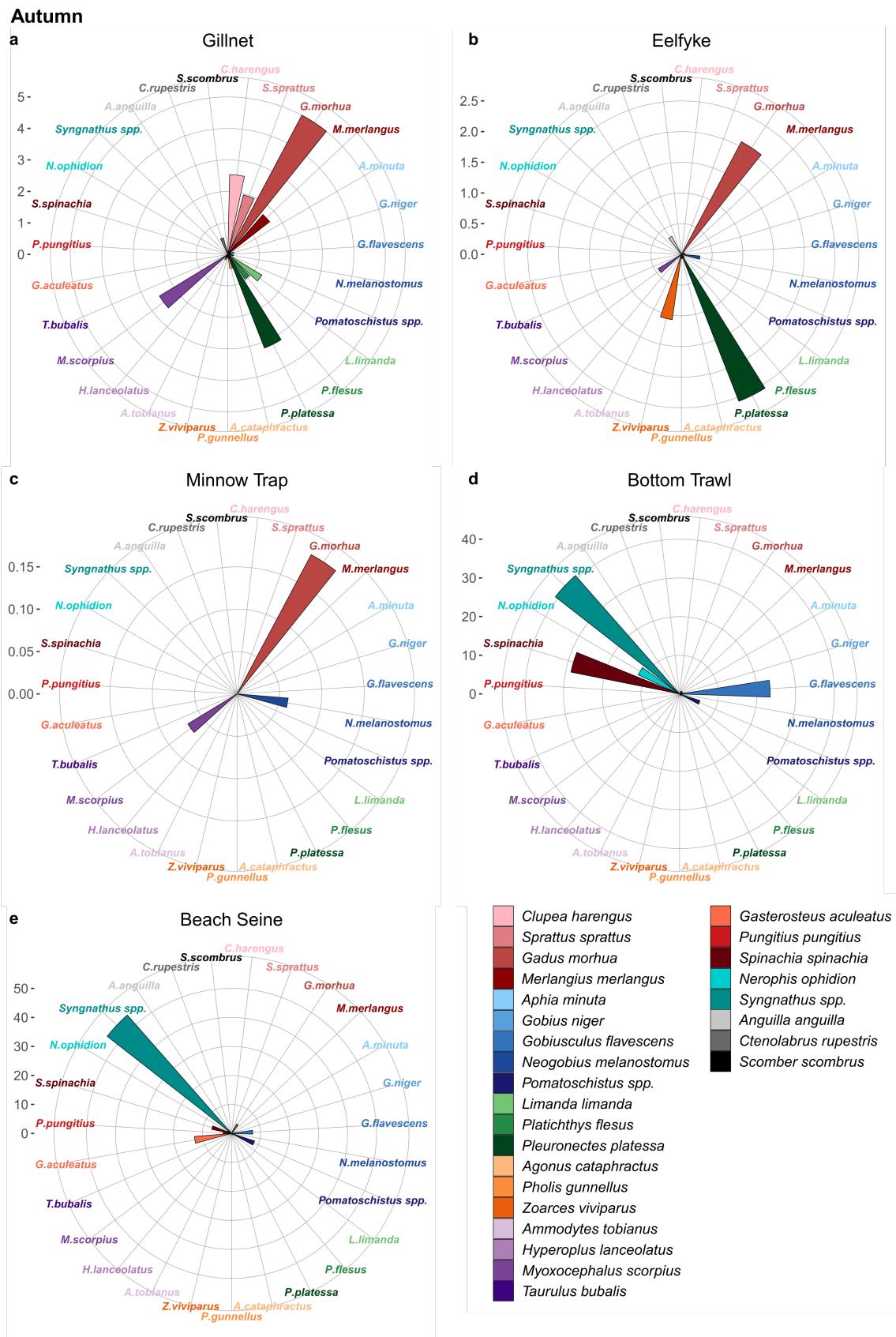


**Figure S3: Taxonomic composition in gillnets (a), eelfykes (b), minnow traps (c), bottom trawls (d) and beach seines (e) in summer showing the most abundant fish species considered in the analysis (cf. Table 2). Note the different scale of the y-axes.**

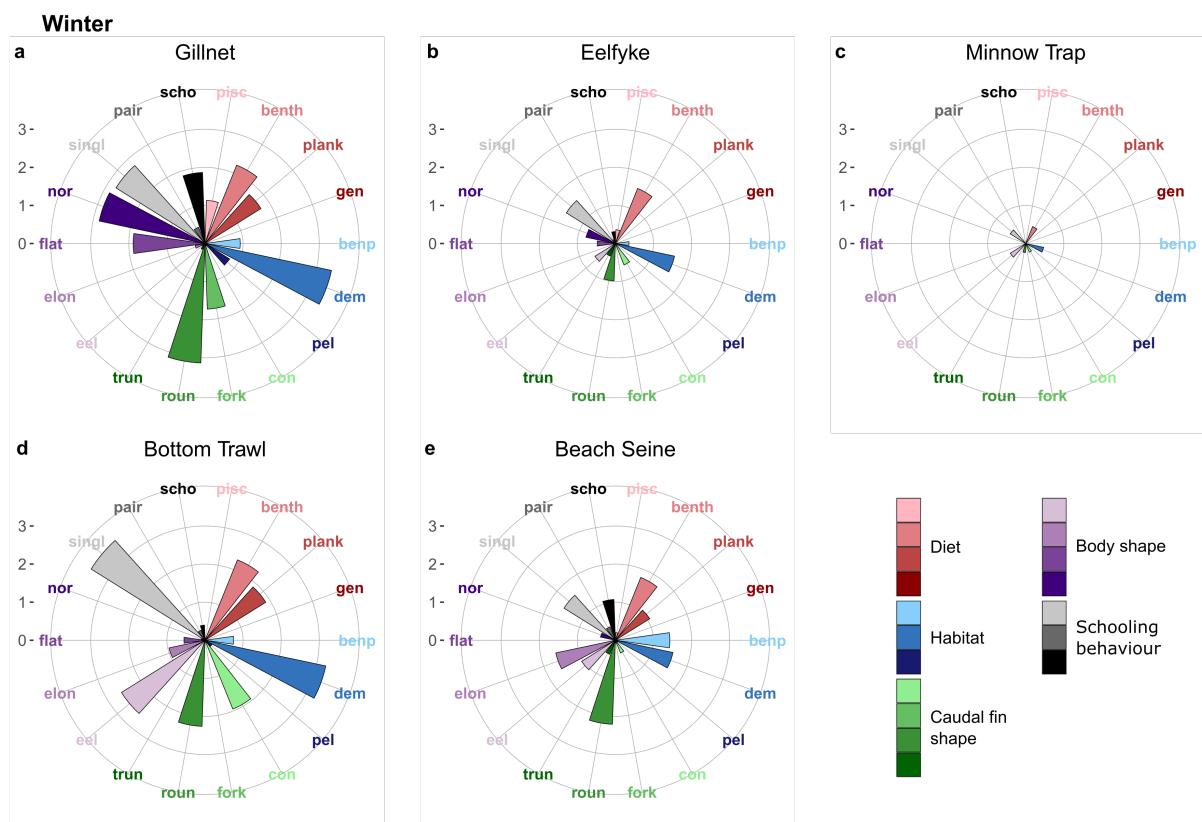
**Late summer**



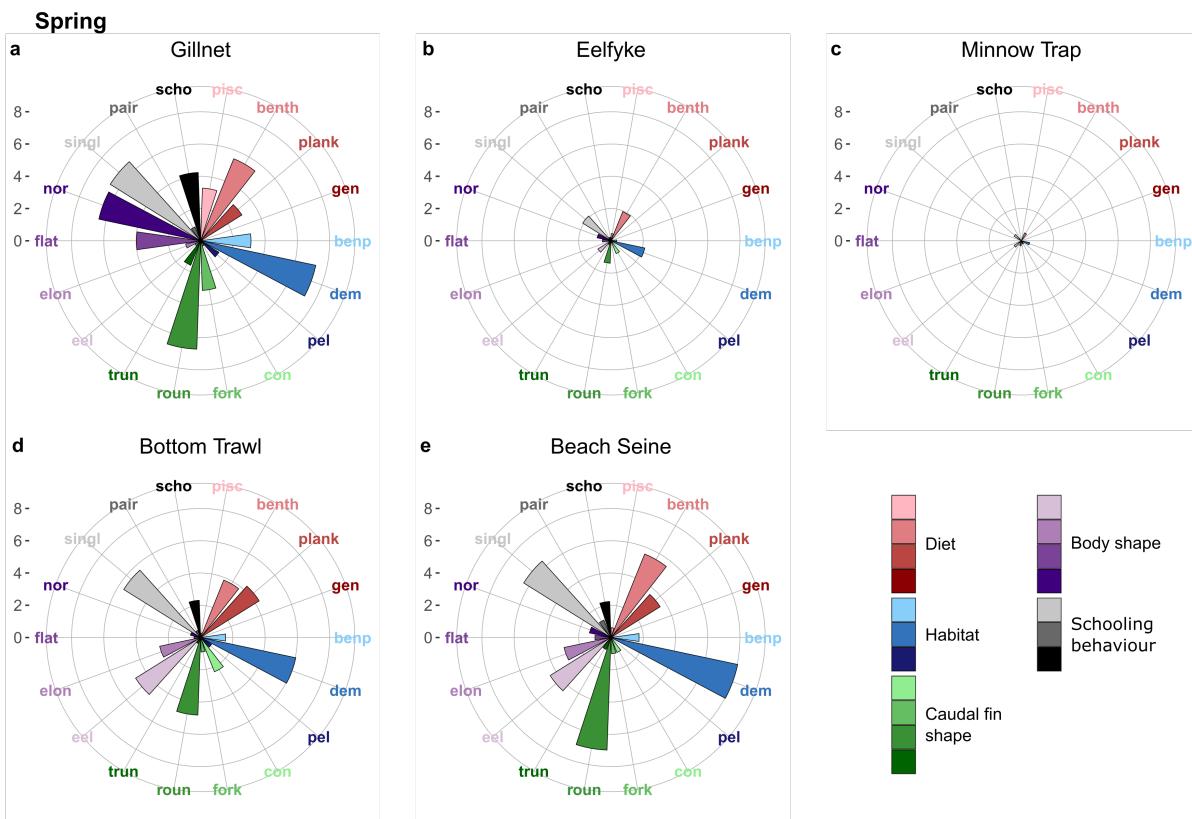
**Figure S4: Taxonomic composition in gillnets (a), eelfykes (b), minnow traps (c), bottom trawls (d) and beach seines (e) in late summer showing the most abundant fish species considered in the analysis (cf. Table 2). Note the different scale of the y-axes.**



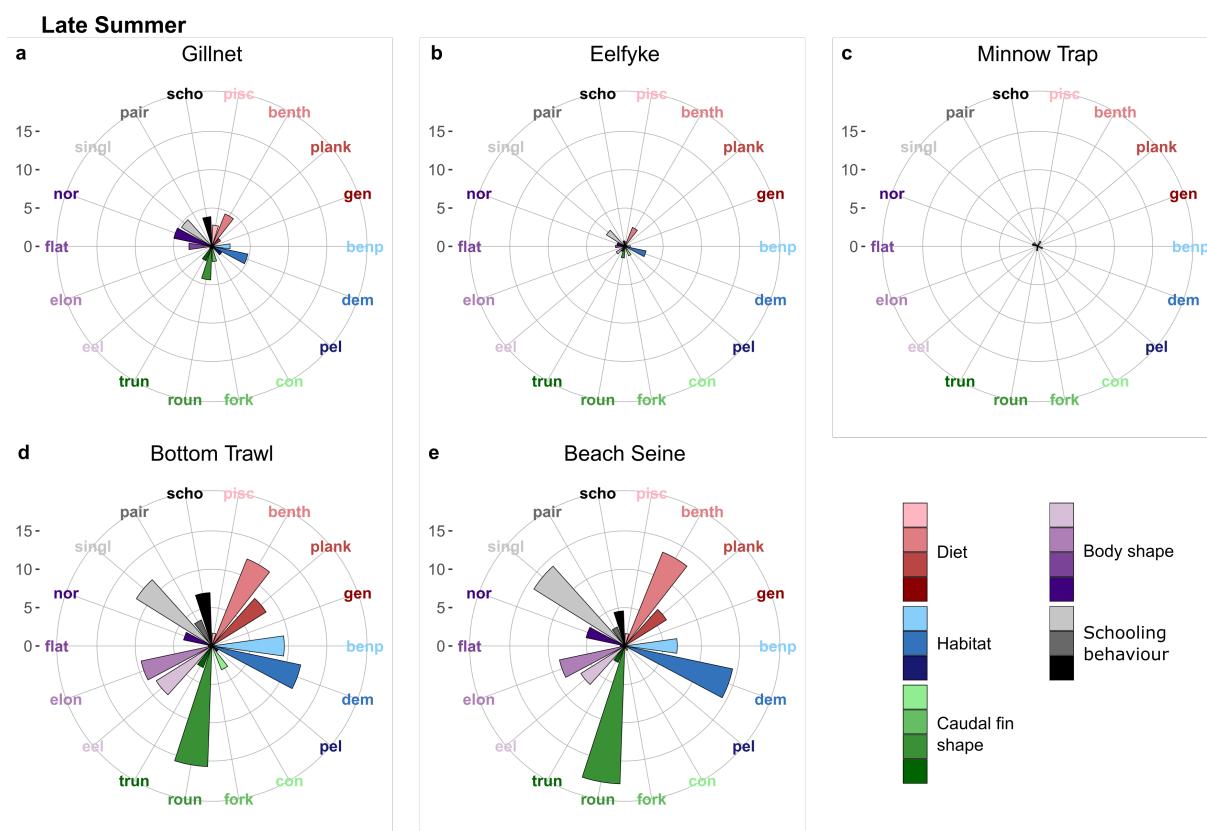
**Figure S5: Taxonomic composition in gillnets (a), eelfykes (b), minnow traps (c), bottom trawls (d) and beach seines (e) in autumn showing the most abundant fish species considered in the analysis (cf. Table 2). Note the different scale of the y-axes.**



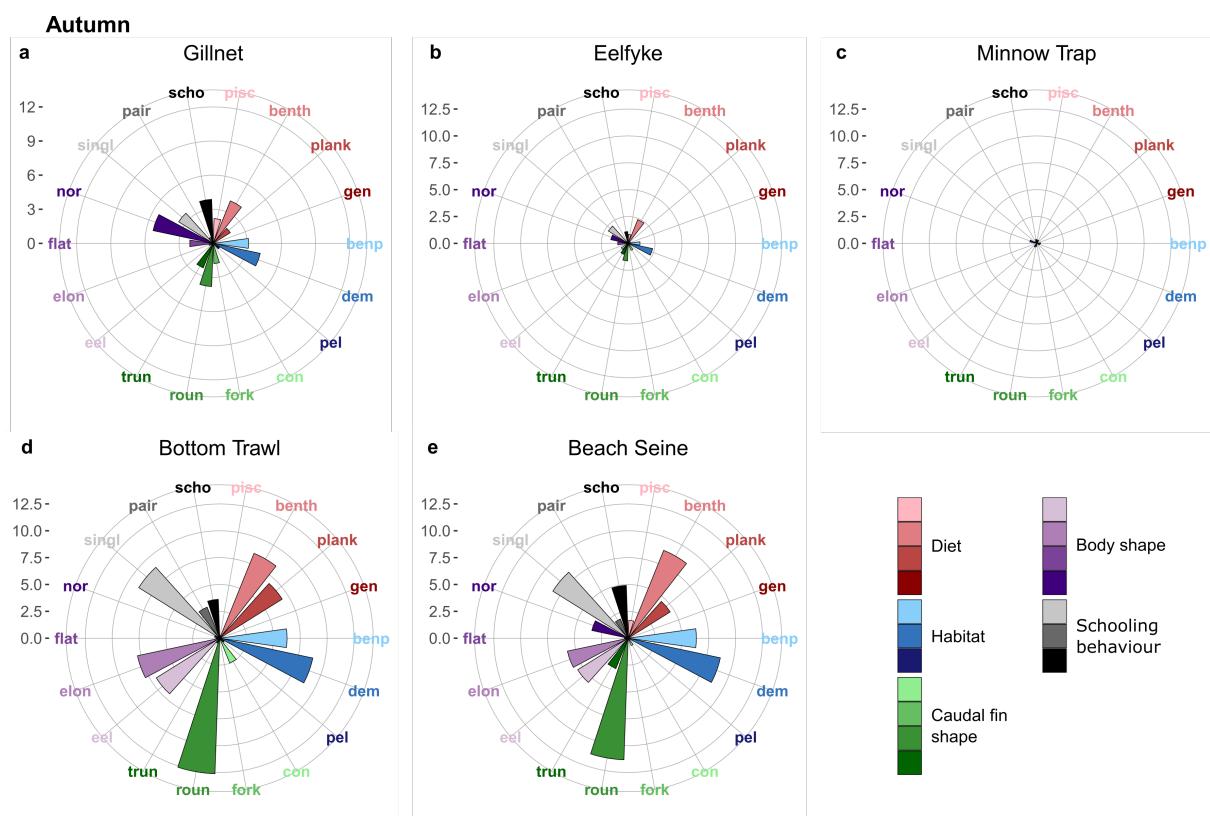
**Figure S6:** Trait composition in gillnets (a), eelfykes (b), minnow traps (c), bottom trawls (d) and beach seines (e) in winter. **Body size** was excluded from the plots due to disproportionately large values compared to other traits. Cf. Table 1 for complete trait category names.



**Figure S7:** Trait composition in gillnets (a), eelfykes (b), minnow traps (c), bottom trawls (d) and beach seines (e) in spring. **Body size** was excluded from the plots due to disproportionately large values compared to other traits. Cf. Table 1 for complete trait category names.



**Figure S8** Trait composition in gillnets (a), eelfykes (b), minnow traps (c), bottom trawls (d) and beach seines (e) in late summer. **Body size** was excluded from the plots due to disproportionately large values compared to other traits. Cf. Table 1 for complete trait category names.



**Figure S9:** Trait composition in gillnets (a), eelfykes (b), minnow traps (c), bottom trawls (d) and beach seines (e) in autumn. **Body size** was excluded from the plots due to disproportionately large values compared to other traits. Cf. Table 1 for complete trait category names.