**Supplementary Table 1** Studied species, sites including GPS coordinates, population map IDs (as used in stacks) and number of specimens used in this study. Sites where multiple species were found (i.e. sympatric sites) are given in **bold**.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Species** | **Site** | **Latitude** | **Longitude** | **Population map** | **Number of specimens** |
| *Stygocapitella subterranea* | Ardtoe | 56.76923 | -5.88361 | Blue\_ardtoe | **7** |
|  | Glenancross | 56.94472 | -5.85347 | Blue\_glenancross | **4** |
|  | Ile Callot | 48.68713 | -3.92439 | Blue\_ile | **3** |
|  | Keitum | 54.902 | 8.36766 | Blue\_keitum | **6** |
|  | Little Gruinard | 57.85223 | -5.4533 | Blue\_gruinard | **1** |
|  | **Hausstrand** | 55.01556 | 8.43736 | Blue\_hausstrand | **1** |
|  | Nairn | 57.59653 | -3.84176 | Blue\_nairn | **2** |
|  | Morsum | 54.87822 | 8.46527 | Blue\_morsum | **3** |
|  | **Musselburough** | 55.94645 | -3.07624 | Blue\_musselburough | **3** |
| *Stygocapitella josemariobrancoi* | Bristol Channel | 51.39973 | -3.19606 | Green\_bristol | **3** |
|  | Ellenbogen | 55.04397 | 8.45172 | Green\_ellenbogen | **5** |
|  | Gravesend | 51.44443 | 0.37764 | Green\_gravesend | **4** |
|  | **Hausstrand** | 55.01556 | 8.43736 | Green\_hausstrand | **4** |
|  | Hörnum | 54.75619 | 8.29466 | Green\_hoernum | **4** |
|  | **Lubec** | 44.85482 | -66.98179 | Green\_lubec | **2** |
|  | Plymouth | 50.34861 | -4.20071 | Green\_plymouth | **3** |
|  | **Musselburough** | 55.94645 | -3.07624 | Green\_musselburough | **6** |
|  | Saint Efflam | 48.684609 | -3.62247 | Green\_St | **3** |
| *Stygocapitella westheidei* | Canoe Beach | 42.41962 | -70.90684 | Purple\_canoe | **5** |
|  | **Lubec** | 44.85482 | -66.98179 | Purple\_lubec | **5** |
|  | Reid State Park | 43.77628 | -69.73121 | Purple\_reid | **5** |
|  | South Lubec | 44.82476 | -66.98917 | Purple\_southlubec | **3** |