**Table S2:** Overview of extracts where morphological identification of specimen was not confirmed by genetics. “Mix” indicates that the extract was genetically tested, but the molecular signature of both species was identified. “Inconclusive” indicates that the process used for molecular identification failed, probably due to degraded DNA. “Not tested” refers to the extracts that we were not able to test genetically.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Station** | **Species** | **Stage** | **Molecular ID** |
| 14/07/2015 | IsK | *C. finmarchicus* | CIV | Not tested |
| 14/07/2015 | IsK | *C. finmarchicus* | CIV | Not tested |
| 14/07/2015 | IsK | *C. finmarchicus* | CIV | Not tested |
| 15/09/2015 | IsK | *C. finmarchicus* | CV | Not tested |
| 15/09/2015 | IsK | *C. finmarchicus* | CV | Not tested |
| 15/09/2015 | IsK | *C. finmarchicus* | CV | Not tested |
| 20/10/2015 | IsK | *C. finmarchicus* | CV | Mix |
| 09/06/2015 | IsK | *C. glacialis* | F | Not tested |
| 09/06/2015 | IsK | *C. glacialis* | F | Not tested |
| 09/06/2015 | IsK | *C. glacialis* | F | Not tested |
| 14/07/2015 | IsK | *C. glacialis* | CV | Not tested |
| 14/07/2015 | IsK | *C. glacialis* | CV | Not tested |
| 14/07/2015 | IsK | *C. glacialis* | CV | Not tested |
| 15/09/2015 | IsK | *C. glacialis* | CV | Not tested |
| 15/09/2015 | IsK | *C. glacialis* | CV | Not tested |
| 20/10/2015 | IsK | *C. glacialis* | CV | Not tested |
| 20/10/2015 | IsK | *C. glacialis* | CV | Not tested |
| 20/10/2015 | IsK | *C. glacialis* | CV | Not tested |
| 03/11/2015 | IsK | *C. glacialis* | CIV | Not tested |
| 03/11/2015 | IsK | *C. glacialis* | CIV | Not tested |
| 03/11/2015 | IsK | *C. glacialis* | CIV | Not tested |
| 17/02/2016 | IsK | *C. glacialis* | CV | Mix |
| 02/05/2016 | IsK | *C. glacialis* | F | Not tested |
| 02/05/2016 | IsK | *C. glacialis* | F | Not tested |
| 02/05/2016 | IsK | *C. glacialis* | F | Not tested |
| 15/05/2016 | IsK | *C. glacialis* | F | Not tested |
| 15/05/2016 | IsK | *C. glacialis* | F | Not tested |
| 15/05/2016 | IsK | *C. glacialis* | F | Not tested |
| 05/06/2016 | IsK | *C. glacialis* | CIV | Not tested |
| 05/06/2016 | IsK | *C. glacialis* | CIV | Not tested |
| 05/06/2016 | IsK | *C. glacialis* | CIV | Not tested |
| 18/01/2016 | IsK | *Calanus* spp. | AM | Inconclusive |
| 06/03/2015 | Off shelf | *C. finmarchicus* | F | Mix |
| 07/03/2015 | Off shelf | *C. finmarchicus* | F | Mix |
| 07/03/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 09/03/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 09/03/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 09/03/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 22/04/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 22/04/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 22/04/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 03/05/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 03/05/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 03/05/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 10/05/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 10/05/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 10/05/2015 | Off shelf | *C. finmarchicus* | F | Not tested |
| 24/05/2015 | Off shelf | *C. finmarchicus* | CV | Not tested |
| 24/05/2015 | Off shelf | *C. finmarchicus* | CV | Not tested |
| 24/05/2015 | Off shelf | *C. finmarchicus* | CV | Not tested |
| 31/05/2015 | Off shelf | *C. finmarchicus* | CV | Not tested |
| 31/05/2015 | Off shelf | *C. finmarchicus* | CV | Not tested |
| 19/06/2015 | Off shelf | *C. finmarchicus* | CV | Inconclusive |
| 15/09/2015 | Off shelf | *C. finmarchicus* | CV | Not tested |
| 15/09/2015 | Off shelf | *C. finmarchicus* | CV | Not tested |
| 29/08/2016 | Off shelf | *C. finmarchicus* | CV | Mix |
| 26/04/2015 | Off shelf | *C. glacialis* | F | Mix |