**Table S1 :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Expedition** | **Season** | **Station** | **Sample ID** |
| ANTXXIV/2 | Summer 2007/2008 | 32 | I\_49 |
| 26 | I\_50 |
| 31 | I\_51 |
| 38 | I\_56 |
| 50 | I\_87 |
| 59 | S\_48 |
| 60 | I\_53 |
| 61 | I\_52 |
| 64 | I\_54 |
| 76 | I\_55 |
| 84 | S\_84 |
| ANTXXIII/2 | Summer 2005/2006 | 56 | I\_67 |
| 92 | I\_59 |
| 93 | I\_63 |
| 94 | I\_64 |
| 99 | I\_61 |
| 100 | I\_62 |
| 104 | I\_57 |
| 106 | I\_60 |
| 115 | I\_66 |
| 118 | I\_88 |
| 121 | I\_58 |
| ANTXXI/4 | Fall 2004 | 609 | S\_40 |
| 610 | I\_20S\_18 |
| 616 | I\_11 |
| 617 | I\_24 |
| 621 | S\_15 |
| 622 | S\_31 |
| 623 | S\_41AS\_41B |
| 624 | S\_02 |
| 625 | S\_14 |
| 626 | S\_42AS\_42BS\_42C |
| 627 | S\_27 |
| 629 | S\_13 |
| 634 | S\_28 |
| 638 | I\_08S\_07 |
| 639 | S\_10 |
| 640 | I\_03S\_39 |
| 649 | I\_32S\_33 |
| 650 | I\_23S\_35 |
| 656 | S\_06 |
| 657 | I\_09AI\_09BS\_43AS\_43BS\_43C |
| 668 | S\_19 |
| 669 | I\_36S\_38 |
| 673 | I\_44AI\_44BI\_44CS\_45AS\_45BS\_45C |
| 677 | I\_34 |
| 678 | I\_22S\_17 |
| 682 | S\_25 |
| 683 | S\_46AS\_46BS\_46C |
| 684 | I\_05S\_04 |
| 688 | S\_47AS\_47BS\_47C |
| ANTXXIII/6 | Winter 2006 | 474 | I\_80 |
| 476 | I\_77 |
| 478 | I\_76 |
| 479 | I\_81 |
| 486 | I\_71 |
| 487 | I\_72 |
| 497 | I\_74 |
| 475 | I\_79 |
| 497 | I\_85 |
| 506 | I\_83 |
| 508 | I\_70 |
| 515 | I\_73 |
| 522 | I\_78 |
| 525 | I\_75 |
| 532 | I\_82 |
| 534 | S\_69 |

**Table S 1:**

List of samples and sampling sites that were addressed in this study. The sample names are composed of an “S” (*S.thompsoni*) or “I” (*I. racovitzai*) and a number allocated randomly to the salp sample. If more than one salp specimen was analysed from the one sampling site all specimen from this sampling site have the same number, distinguished by a capital letter (A-C).