

Table S2. Detailed list of adult Antarctic krill (*Euphausia superba*) data with survey name, station number per survey and respective source of data, which were used from the database KRILLBASE within the WSMPA planning initiative.

Survey name	Station	Data source
bas1985sib	4a and 5	UK data (SIBEX cruise)
epa1993saf	211-216	South African data
epa1995saf	1-14	South African data
epa1998saf	27	South African data
epa1995bon	189	South African data
epa1996xxx	5 and 6	South African data
epa1989ikt	7, 8, 10, 11	Soviet data
epa1990mkx	149-173	Soviet data
epa1989smt	5, 6, 13, 14	Soviet data
epa1989ikt	7, 8, 10, 11	Soviet data
his1928dis-top	46	UK historical data
his1931wsc-top	548-552	UK historical data
his1932dis-str	813a, 815a, 816a, 822a	UK historical data
his1932dis-top	814, 818-820	UK historical data
his1933dis-str	1148a, 1150a, 1151a, 1153a	UK historical data
his1933dis-top	1149, 1152	UK historical data
his1935dis-str	1519a	UK historical data
his1935dis-top	1513-1528	UK historical data
his1935wsc-top	892 and 893	UK historical data
his1937dis-str	2004a	UK historical data
his1937dis-top	1998-2000, 2002, 2003, 2006-2012	UK historical data
his1937dis-ver	2010a, 2012a	UK historical data
his1939dis-str	2596a, 2598a, 2600a, 2606a-2608a, 2010a	UK historical data
his1939dis-top	2543-2563, 2595, 2599, 2601, 2603, 2604, 2609	UK historical data
his1939dis-ver	2543a, 2545a, 2547a	UK historical data
pol1984wit	165 and 168	Polish data; Witek et al. (1985)
vsi2004lak	1021, 1023-1025, 1028-1031, 1033-1037, 100-1042, 1044-1046, 1048-1050, 1053-1056, 1059-1060, 1062, 1065, 1066, 1068-1071, 1075-1078, 1080, 1084, 1086, 1087, 1090-1092, 1095-1097, 1100-1102, 1116-1117	German data (LAKRIS cruise 2004)
vsi1980pol	20, 21, 23, 24, 27-29, 31, 33-35, 51, 52, 54-79, 82-85, 87-101, 105-111	German data (MV Polarsirkel cruise 1979/80)
vsi1981pol	89, 91, 94, 97-99, 101, 106, 108, 110, 111, 126-128, 130, 132, 134, 136, 138, 143, 178, 179, 185, 186, 191, 193, 195, 197, 203, 205, 208-211, 213-215, 217, 219, 224, 226-235, 237, 282	German data (MV Polarsirkel cruise 1980/81)
vsi1976xxx	161, 162, 176, 183, 185, 186, 189, 190	German data (RV Walther Herwig cruise 1975/76)
vsi1978xxx	330-337, 339, 340a, 341b, 342c, 343d, 344e, 345	German data (RV Walther Herwig cruise 1977/78)