

Table S1: Stations for which zooplankton samples were metabarcoded where Lat and Long represent latitude and longitude in decimal degrees, respectively, Depth is given in metres, Mesh size in μm

Location	Cruise	Station ID	Lat	Long	Date	Depth	Net	Mesh	Fraction of sample metabarcoded
North Polar Front	Ecosystem survey	461	76.985	25.113	2017-09-18	40-0	WP2	180	0.5
		475	77.583	25.817	2017-09-21	168-0	WP2	180	0.5
	ArcticSIZE	B3	78.062	25.305	2017-11-22	50-0	WP2	64	0.5
			78.062	25.305	2017-11-22	100-50	WP2	64	0.5
			78.062	25.305	2017-11-22	115-100	WP2	64	0.5
		B4	77.441	27.411	2017-11-23	100-50	WP2	64	0.49
			77.441	27.411	2017-11-23	160-100	WP2	64	0.47
		ArcticPRIZE January	B34	77.472	29.968	2018-01-10	80-0	WP2	64
	77.472			29.968	2018-01-10	130-80	WP2	64	0.22
	77.472			29.968	2018-01-10	191-130	WP2	64	0.42
	B51		78.216	30.084	2018-01-10	70-0	WP2	64	0.5
			78.216	30.084	2018-01-10	225-70	WP2	64	0.5
			78.216	30.084	2018-01-10	313-225	WP2	64	0.5
	ArcticPRIZE April	HH70	76.491	28.366	2018-04-29	0-40	Multinet	180	0.48
			76.491	28.366	2018-04-29	80-40	Multinet	180	0.48
			76.491	28.366	2018-04-29	80-40	WP2	64	0.5
			76.491	28.366	2018-04-29	120-80	Multinet	180	0.44
			76.491	28.366	2018-04-29	140-120	Multinet	180	0.45
	ArcticPRIZE June	H51	78.166	29.999	2018-06-26	40-0	WP2	64	0.5
			78.166	29.999	2018-06-26	145-36	WP2	64	0.5
			78.166	29.999	2018-06-26	330-145	WP2	64	0.5
		B34	77.531	29.979	2018-06-27	15-0	WP2	180	0.23
			77.531	29.979	2018-06-27	130-15	WP2	64	0.19
			77.531	29.979	2018-06-27	195-130	WP2	64	0.38
	Nansen Legacy	R1	77.634	31.689	2018-08-11	30-0	Multinet	64	0.37
			77.634	31.689	2018-08-11	110-30	Multinet	64	0.48
77.634			31.689	2018-08-11	140-110	Multinet	64	0.46	
77.634			31.689	2018-08-11	145-140	Multinet	64	0.43	
North Svalbard	SI Arctic	119	80.389	15.964	2017-09-02	30-0	WP2	180	0.5
			80.389	15.964	2017-09-02	330-0	WP2	180	0.5
		125	80.029	9.395	2017-09-04	50-0	WP2	180	0.5
			80.029	9.395	2017-09-04	485-0	WP2	180	0.5
	ArcticSIZE	W1	79.429	10.212	2017-11-18	10-0	WP2	64	0.5
			79.429	10.212	2017-11-18	85-0	WP2	64	0.5
			79.429	10.212	2017-11-18	100-85	WP2	64	0.5
		NS1	80.427	15.418	2017-11-19	85-0	WP2	64	0.5
	80.427		15.418	2017-11-19	145-85	WP2	64	0.5	
	ArcticPRIZE June	JR78c	80.064	10.793	2018-06-13	20-0	WP2	180	0.5
80.064			10.793	2018-06-13	390-0	WP2	180	0.5	
South Polar Front	ArcticPRIZE January	B14	76.499	30.001	2018-01-08	273-180	WP2	64	0.5
		HH57	75.558	29.282	2018-01-12	200-0	WP2	64	0.46
			75.558	29.282	2018-01-12	250-200	WP2	64	0.43
			75.558	29.282	2018-01-12	321-250	WP2	64	0.41

	ArcticPRIZE April	B13	74.603	30.230	2018-04-26	10-0	Multinet	180	0.5	
			74.603	30.230	2018-04-26	25-10	Multinet	180	0.5	
			74.603	30.230	2018-04-26	50-25	Multinet	180	0.5	
			74.603	30.230	2018-04-26	100-50	Multinet	180	0.5	
		B14	76.498	30.013	2018-04-28	10-0	Multinet	180	0.5	
			76.498	30.013	2018-04-28	40-10	Multinet	180	0.5	
			76.498	30.013	2018-04-28	280-40	Multinet	180	0.5	
		HH71	75.940	29.966	2018-04-30	40-0	Multinet	180	0.39	
			75.940	29.966	2018-04-30	305-200	Multinet	180	0.45	
			75.940	29.966	2018-04-30	310-0	WP2	64	0.5	
		ArcticPRIZE June	B14	76.500	30.000	2018-06-29	50-0	WP2	64	0.5
				76.500	30.000	2018-06-29	275-50	WP2	64	0.5
	B13		74.493	29.862	2018-07-01	45-0	WP2	64	0.5	
			74.493	29.862	2018-07-01	200-45	WP2	64	0.5	
	B35		75.500	30.000	2018-07-02	45-0	WP2	64	0.47	
			75.500	30.000	2018-07-02	345-45	WP2	64	0.45	
	Nansen Legacy	P1	76.000	31.223	2018-08-09	30-0	Multinet	64	0.49	
			76.000	31.223	2018-08-09	310-30	Multinet	64	0.49	