

Table S1. *Ophiura sarsii* sampling information.

ID	Cruise code	Date	Station	Area	Latitude	Longitude	Depth, m	N ind
SVD 41-47		15.09.2019	2348		76°56'9,88" N	23°44'7,047" E	84	7
SVD 52		21.09.2019	2376		78°12'35,63" N	27°20'9,555" E	325	1
SVD 53-61		25.09.2019	2394	Svalbard	79°18'35,67" N	26°47'45,57" E	258	9
SVD 62-64	J.Hjort-2019	21.09.2019	2378		78°09'09,49" N	25°34'16,51" E	136	3
SVD 65-72		25.09.2019	2395		80°04'8,523" N	29°23'45,57" E	319	8
SVD 73-80		23.09.2019	2387		78°41'8,276" N	24°14'41,47" E	150	8
BAR 48-51		31.08.2019	2274		75°15'22,64" N	37°00'6,18" E	178	4
BAR 81	diver sampling	19.08.2019	-	Southern Barents Sea	69°10,388' N	35°07,907' E	10	1
BAR 119- 125		08.03.2020	86		70°21'4" N	46°56'1" E	107-103	7
	Vilnus 2020							
BAR 126- 136		22.02.2020	6		71°47'1" N	35°21'1" E	252-255	11