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Article: Cold-water coral framework architecture is selectively shaped by bottom current flow

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Supplementary Information

Table S1. Sampling data for the *Desmophyllum pertusum* corals analysed in this study. Research vessels abbreviations: *JH*, Johan Hjort; *L*, Littorina; *POS*, Poseidon. Coordinates and depths separated by dashes refer to start and end of dynamic sampling surveys, while actual sampling could have happened somewhat outside that range. All samples are housed in the Senckenberg am Meer (SaM) institute, Wilhelmshaven, Germany.

Area	Cruise	Station	Coordinates (N, E)	Gear	Depth (m)	SaM ID
Nordleksa	<i>JH-5-99</i>	1; 4; 6	63.60916°, 9.38550°	Dredge	180 – 200	42875
						42878
						42879
						42883
						42884
						42886
						42887
						42888
						42890
						42892
	<i>POS455^a</i>	838-1; 843-1; 853-1	63.60815°, 9.38247°; 63.60822°, 9.38367°; 63.61217°, 9.38567°	<i>JAGO^b</i>	165; 185; 240	42895
						42896
						43080
						43081
						43082
						43083
						42854
Sula NE	<i>POS228</i>	215-1	64.10867°, 8.11583° – 64.10633°, 8.11250°	Dredge	272 – 289	42864
						42865
						42866
						42873
						42876
		215-2	64.10883°, 8.11450° – 64.10683°, 8.11150°	Dredge	276 – 276	42880
						42881
						42900
						42901
						42902

Area	Cruise	Station	Coordinates (N, E)	Gear	Depth (m)	SaM ID
Sula NE	POS228	216	64.11833°, 8.14283° – 64.12000°, 8.15050°	Dredge	303 – 306	42867
						42891
						42893
Sula SW	L09/94	163	64.08250°, 8.02716° – 64.07700°, 8.03350°	Dredge	283 – 295	42885
						42899
						43084
						43085
						43086
						42855
	POS228	201-1	64.07967°, 8.02983° – 64.07817°, 8.02567°	Dredge	260 – 260	42858
						42859
						42861
						42869
						42894
						42898
						42903
						42871
						42889
						42897
Træna	POS325	358	66.96883°, 11.13033°	Box corer	314	42856
						42857
						42860
						42862
						42863
						42868
						42870
						42872
						42874
						42877
						42882
						43087

^aNordleksa samples from cruise *POS455* (SaM 43080, 43081, 43082, 43083) were redeployed after collection for a 1-year bioerosion experiment (Büscher et al. 2019), but this mostly affected their skeletal density, rather than their external colony morphology.

^b*JAGO* is a manned submersible based at the GEOMAR Helmholtz Centre for Ocean Research Kiel, Kiel, Germany (GEOMAR Helmholtz-Zentrum für Ozeanforschung 2017).

References

Büscher JV, Wisshak M, Form AU, Titschack J, Nachtigall K, Riebesell U (2019) In situ growth and bioerosion rates of *Lophelia pertusa* in a Norwegian fjord and open shelf cold-water coral habitat. PeerJ 7:e7586.

<https://doi.org/10.7717/peerj.7586>

GEOMAR Helmholtz-Zentrum für Ozeanforschung (2017) Manned submersible “JAGO”. Journal of Large-Scale Research Facilities 3:A110. <http://dx.doi.org/10.17815/jlsrf-3-157>