

Early life history of the cold-water coral *Desmophyllum dianthus* (Scleractinia) revealed through ex situ observations

Ignacia Acevedo-Romo¹, Diego Moreno-Morán², Ana N. Campoy³, Verena Häussermann¹, Günter Försterra¹, Rhian G. Waller^{2,4}

¹ Escuela de Ciencias del Mar, Facultad de Recursos Naturales, Pontificia Universidad Católica de Valparaíso, Valparaíso, Chile.

² Tjärnö Marine Laboratory, University of Gothenburg, Strömstad, Sweden.

³ Department of Ecology and Geology, Faculty of Sciences, University of Malaga, 29010 Málaga, Spain

⁴ Gothenburg Global Biodiversity Centre, Gothenburg, Sweden

corresponding author e-mail: rhian.waller@gu.se

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Supplementary material

Table S1. Summary of the reproductive individuals of *D. dianthus* over the three years study

Coral ID	Collection site	Female/Male	n° spawning events	Dates of spawning
2022				
Dd1.1	Punta Huinay	Female	1	01/07
Dd2	Punta Huinay	Female	1	20/07
Dd4	Punta Huinay	Male	1	20/07
Dd5	Punta Huinay	Male	1	01/07
Dd8	Punta Huinay	Male	2	26/07 - 27/07
Dd9.1	Punta Huinay	Male	1	26/07

Dd11.1	Punta Huinay	Male	1	01/07
Dd12	Punta Huinay	Male	2	26/07 - 27/07
Dd14	Punta Huinay	Male	1	26/07
Dd18	Punta Huinay	Female	1	27/07
Dd20	Punta Huinay	Female	1	27/07
Dd23	Punta Huinay	Female	2	02/07 - 27/07

2023

Dd1	Punta Huinay	Male	2	01/07 - 14/07
Dd2	Punta Huinay	Male	2	01/07 - 14/07
Dd3	Punta Huinay	Male	1	14/07
Dd4	Punta Huinay	Male	1	14/07
Dd8	Yerbas Buenas	Female	1	08/07
Dd9.1	Yerbas Buenas	Male	2	06/07 - 08/07
Dd9.2	Yerbas Buenas	Male	2	06/07 - 08/07
Dd10	Yerbas Buenas	Male	3	06/07 - 08/07 - 23/07
Dd12	Yerbas Buenas	Male	2	07/07 - 14/07
Dd13	Yerbas Buenas	Male	2	07/07 - 14/07
Dd14	Yerbas Buenas	Female	1	07/07
Dd18	Yerbas Buenas	Female	1	14/07

Dd19.2	Yerbas Buenas	Male	2	05/07 - 14/07
Dd20	Yerbas Buenas	Male	2	11/07 - 14/07
Dd21	Yerbas Buenas	Male	2	05/07 - 14/07
Dd22	Yerbas Buenas	Male	1	06/07
Dd23	Yerbas Buenas	Female	1	11/07
Dd24	Yerbas Buenas	Female	1	11/07
Dd26	Yerbas Buenas	Female	2	06/07 - 08/07
Dd27	Yerbas Buenas	Female	1	08/07
Dd30	Yerbas Buenas	Male	1	11/07
Dd31	Yerbas Buenas	Male	1	23/07

2024

Dd32	Yerbas Buenas	Male	4	27/06 - 03/07 - 14/07 - 19/07
Dd33	Yerbas Buenas	Female	2	27/06 - 03/07
Dd34	Yerbas Buenas	Male	2	27/06 - 19/07
Dd35	Yerbas Buenas	Male	2	14/07 - 19/07
Dd36	Yerbas Buenas	Male	3	27/07 - 14/07 - 18/07
Dd38	Yerbas Buenas	Male	2	27/06 - 21/07
Dd39	Yerbas Buenas	Male	3	27/06 - 08/07 - 14/07
Dd40	Yerbas Buenas	Female	2	28/06 - 08/07

Dd41	Yerbas Buenas	Male	3	27/06 - 12/07 - 25/07
Dd42	Yerbas Buenas	Male	2	08/07 - 21/07
Dd43	Yerbas Buenas	Male	4	27/06 - 14/07 - 21/07 - 25/07
Dd44	Yerbas Buenas	Female	5	28/06 - 03/07 - 08/07 - 14/07 - 19/07
Dd45	Yerbas Buenas	Male	2	12/07 - 21/07
Dd47	Yerbas Buenas	Male	1	21/07
Dd48	Yerbas Buenas	Female	5	28/06 - 03/07 - 12/07 -14/07 - 19/07
Dd49	Yerbas Buenas	Female	2	21/07 - 25/07
Dd50	Yerbas Buenas	Female	4	14/07 - 18/07 - 19/07 - 21/07
Dd51	Yerbas Buenas	Male	1	21/07
Dd52	Yerbas Buenas	Male	3	14/07 - 18/07 - 21/07
Dd54	Yerbas Buenas	Male	3	03/07 - 18/07 - 19/07
Dd55	Yerbas Buenas	Female	4	28/06 - 03/07 - 08/07 - 12/07
Dd56	Yerbas Buenas	Male	4	27/06 - 02/07 - 08/07 - 12/07

Corals from 2022 and 2023 have the same ID but are not the same individual.

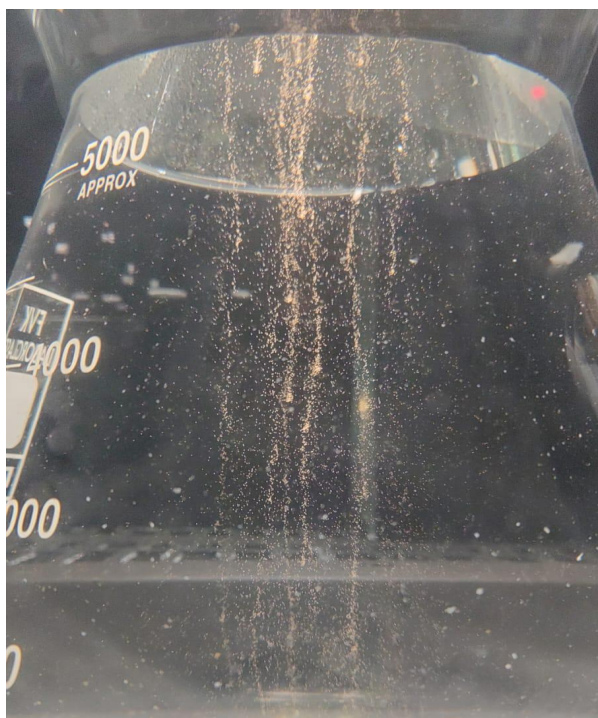


Fig. S 1 Vertical lines formed by 4 day old larvae