

Interactive comment on “In depth characterization of diazotroph activity across the Western Tropical South Pacific hot spot of N₂ fixation” by Sophie Bonnet et al.

Sophie Bonnet et al.

sophie.bonnet@univ-amu.fr

Received and published: 2 May 2018

The detailed responses are on the Supplement attached document. The revised manuscript (in track-change mode) is also attached as a supplementary file.

Please also note the supplement to this comment:

<https://www.biogeosciences-discuss.net/bg-2017-567/bg-2017-567-AC4-supplement.pdf>

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2017-567>, 2018.

C1

1 **In depth characterization of diazotroph activity across the**
2 **western tropical South Pacific hot spot of N₂ fixation (OUTPACE**
3 **cruise)**

4
5 Sophie Bonnet^{1,2}, Mathieu Caffin¹, Hugo Berthelot¹, Olivier Grosso¹, Mar Benavides^{2,3}, Sandra
6 Helias-Nunige², Cécile Guieu^{4,5}, Marcus Stenegren⁶, Rachel A Foster⁶

7
8
9 ¹IRD, Aix Marseille Université, CNRS/INSU, Université de Toulon, Mediterranean Institute of Oceanography (MIO)

10 UM 110, 13288, Marseille-Nouméa, France-New Caledonia

11 ²Mediterranean Institute of Oceanography (MIO) – IRD/CNRS/Aix-Marseille University IRD Nouméa, 101

12 Promenade R. Laroque, BPAS, 98848, Nouméa cedex, New Caledonia

13 ³Marine Biology Section, Department of Biology, University of Copenhagen, 3000 Helsingør, Denmark

14 ⁴Sorbonne Universités, UPMC Université Paris 06, CNRS, Laboratoire d’Océanographie de Villefranche (LOV),

15 06230 Villefranche-sur-Mer, France

16 ⁵Center for Prototype Climate Modeling, New York University Abu Dhabi, P.O. Box 129188, Abu Dhabi, United Arab

17 Emirates

18 ⁶Department of Ecology, Environment, and Plant Sciences, Stockholm University, Stockholm Sweden 10690

19

20 Correspondence to: Sophie Bonnet (sophie.bonnet@univ-amu.fr)

21

22

23

24

25

26

27

28

29

30

31

1

Fig. 1.

C2