

Interactive comment on “Biodiversity and trophic ecology of hydrothermal vent fauna associated with tubeworm assemblages on the Juan de Fuca Ridge” by Yann Lelièvre et al.

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We are grateful to Dr. Boschen for her constructive suggestions that helped us improve our manuscript significantly.

Please find attached our response to Rachel Boschen's comments.

Please also note the supplement to this comment:

<https://www.biogeosciences-discuss.net/bg-2017-411/bg-2017-411-AC1-supplement.pdf>

C1

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2017-411>, 2017.

C2

Table 3. Univariate measures of macrofaunal community structure associated with *Aridaspis plicosea* tube worm bushes on the Grotto edifice. Sample Surface Area (SSA), Tube Height (TH), Tube Diameter (TD), volume (V), species richness (S), exponential of Shannon entropy (H), Simpson's diversity index (D) and Pielou's evenness (E).

Sample	SSA (m ²)	TH (cm) ± sd	TD (cm) ± sd	TA (m ³)	V (m ³)	S	H	D	E
S1	0.12	17.14 ± 0.81	4.72 ± 0.82	4.27	0.02	28	5.277	0.728	0.505
S2	0.06	5.31 ± 2.47	2.24 ± 0.42	1.63	3.84 × 10 ⁻¹	24	5.398	0.749	0.511
S3	0.12	19.91 ± 9.31	5.48 ± 1.13	4.26	0.02	31	6.063	0.778	0.524
S4	0.02	7.55 ± 2.45	2.48 ± 0.37	0.37	1.1 × 10 ⁻¹	19	2.805	0.55	0.325
S5	0.02	3.45 ± 0.85	1.91 ± 0.34	0.10	5.4 × 10 ⁻¹	19	4.348	0.697	0.499
S6	0.01	6.15 ± 2.80	2.14 ± 0.43	0.18	7.5 × 10 ⁻¹	14	3.998	0.623	0.525

Fig. 3. Table 3- Sample descriptors