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Interactive comment on “Effects of low pH stress on shell traits and proteomes of the dove snail, *Anachis misera* inhabiting shallow vent environments off Kueishan Islet, Taiwan” by Y. J. Chen et al.

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Thanks for the comments. Our responses are as follows. We could not find *Anachis misera* in any other coastal environments in Taiwan. In the revised version, for the comparative purpose, we will analyze two populations of a different dove snail species collected in northeastern Taiwan where is in the west of Kueishan Islet about 10km apart. We used proteomic approach and similarity analysis to distinguish snails in the South from the rest sites. Based on this, we will re-analyze our data, pooling snails from East, Southwest and Northwest sites as one population. And the MS will be

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reorganized extensively. Reply of Other issues: 1. Fig. 1 will be revised as suggested. 2. The description on pH measurements will be added in the revised version. 3. Species identification on the dove snail has been confirmed by COI and 16S rRNA genes. The snails collected in the Kueishan Islet belong to the same species. 4. It is subjective to determine the eroded condition. So, we will revise the MS only report the most eroded snail is from East site shown in Fig. 2B. 5. The data will be re-analyzed as suggested. 6. The discussion will be revised as suggested. 7. The discussion will be added as suggested.

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