**No guts, no reef: understanding the microbiome, genetic diversity, and phylogenetic relationships of the Puerto Rican long-spined black sea urchin, *Diadema antillarum*, a keystone species of the Caribbean reef**

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A thesis submitted in partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE

in

BIOLOGY

UNIVERSITY OF PUERTO RICO

MAYAGÜEZ CAMPUS

2020

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