

Competitive interactions among juvenile and adult life stages of northern Gulf of Mexico red snapper *Lutjanus campechanus* and a tropical range-expanding congener

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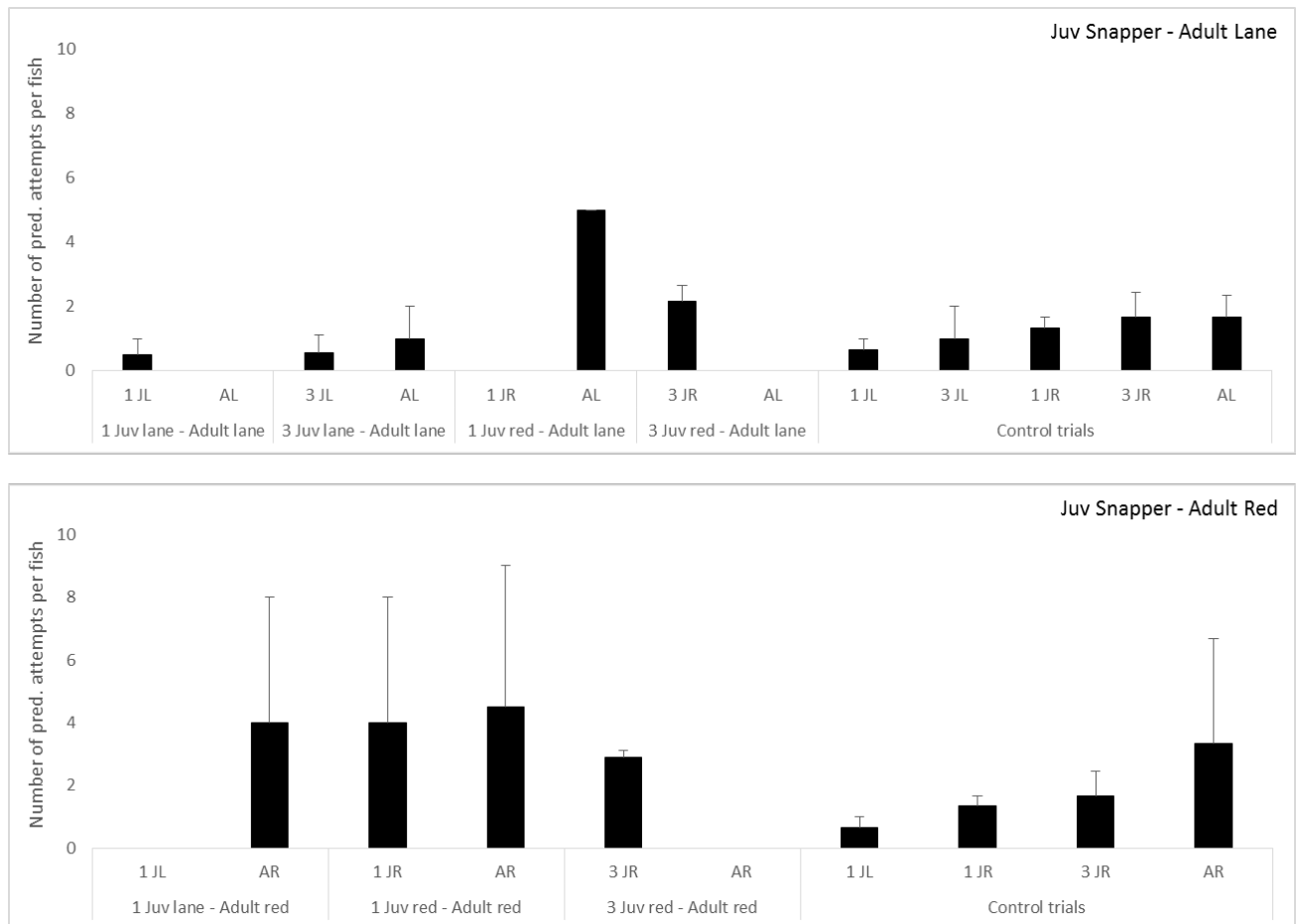


Figure S1. Number of predatory attempts per fish on blue crab prey (± 1 SE) by adult and juvenile lane and red snappers. Data from interaction trials with single (1 Juv lane – 1 JL, 1 Juv red – 1 JR) and grouped (3 Juv lane – 3 JL, 3 Juv red – 3 JR) juvenile snappers and adult lane snapper (Adult lane – AL, top panel) or adult red snapper (Adult red – AR, bottom panel), and monoculture control trials of single and three juvenile snappers and single adult snappers.

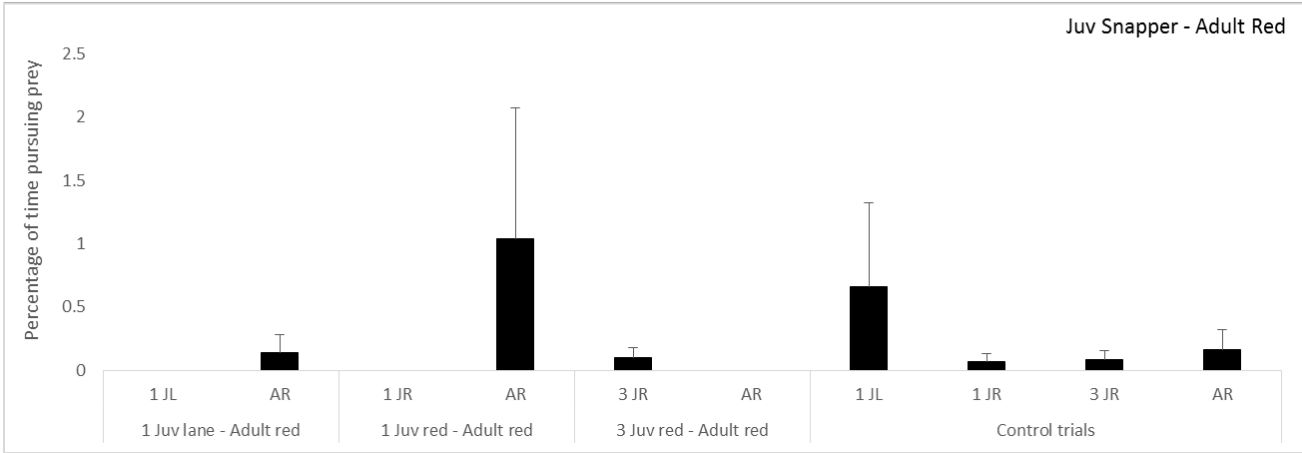
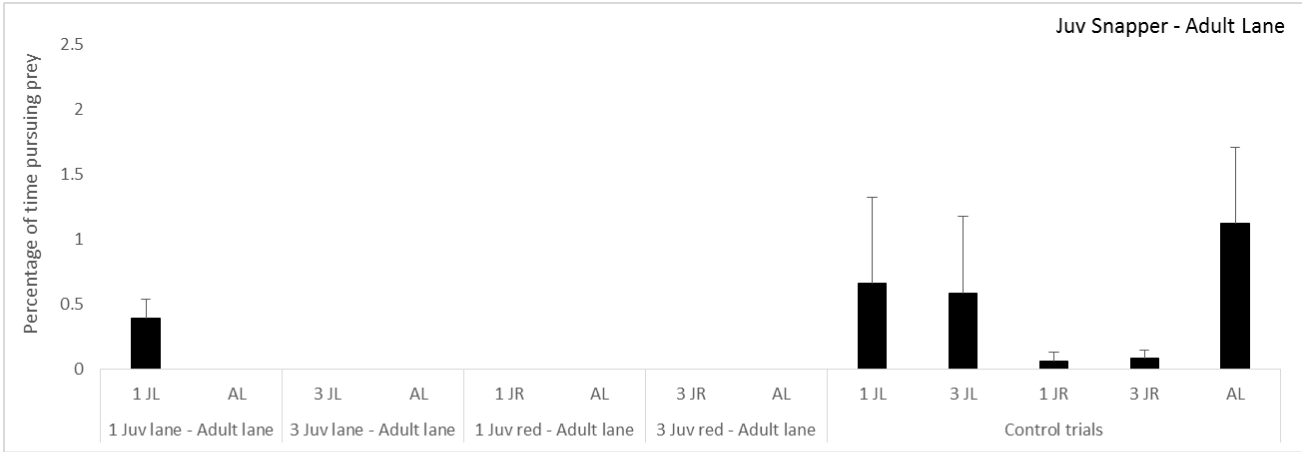


Figure S2. Percentage of time pursuing blue crab prey (± 1 SE) by adult and juvenile red and lane snappers. Data from interaction trials with single (1 Juv lane – 1 JL, 1 Juv red – 1 JR) and grouped (3 Juv lane – 3 JL, 3 Juv red – 3 JR) juvenile snappers and adult lane snapper (Adult lane – AL, top panel) or adult red snapper (Adult red – AR, bottom panel), and monoculture control trials of single and three juvenile snappers and single adult snappers.

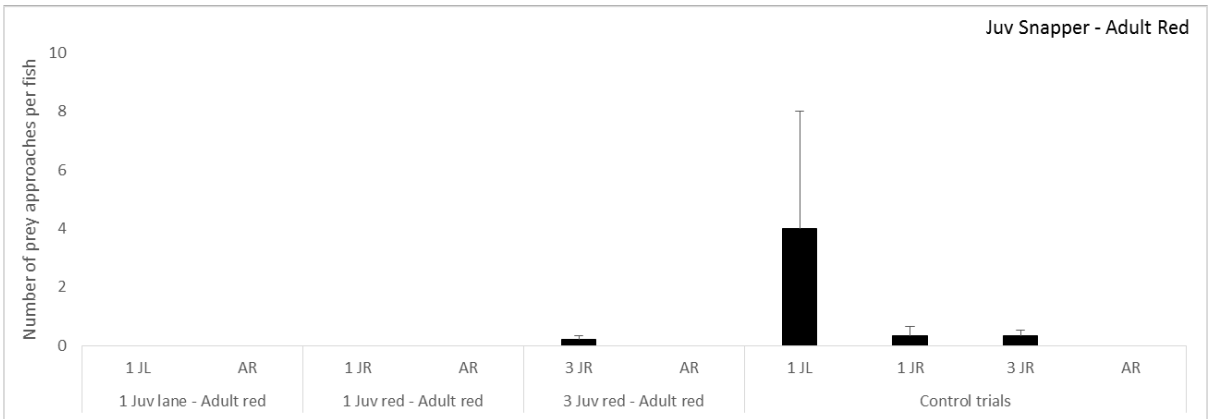
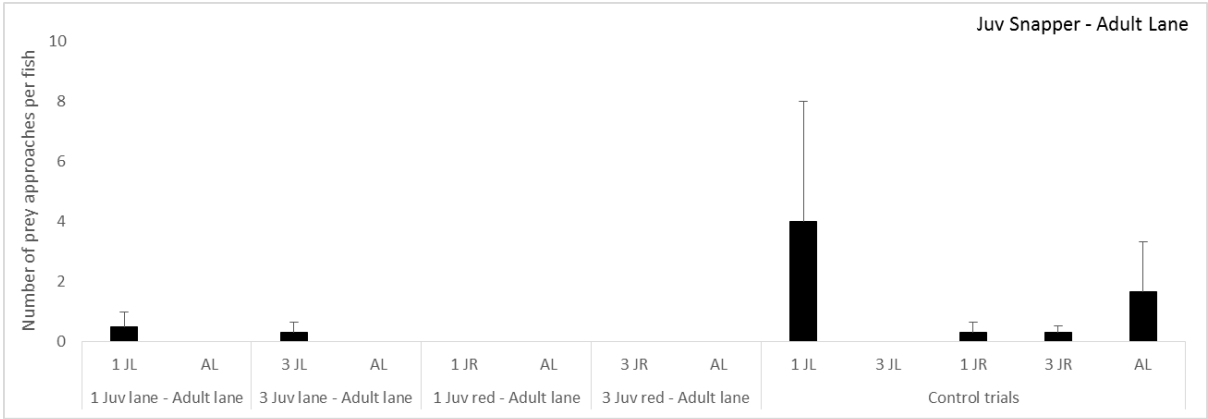


Figure S3. Number of non-consumptive approaches per fish on blue crab prey (± 1 SE) by adult and juvenile lane and red snappers. Data from interaction trials with single (1 Juv lane – 1 JL, 1 Juv red – 1 JR) and grouped (3 Juv lane – 3 JL, 3 Juv red – 3 JR) juvenile snappers and adult lane snapper (Adult lane – AL, top panel) or adult red snapper (Adult red – AR, bottom panel), and monoculture control trials of single and three juvenile snappers and single adult snappers.

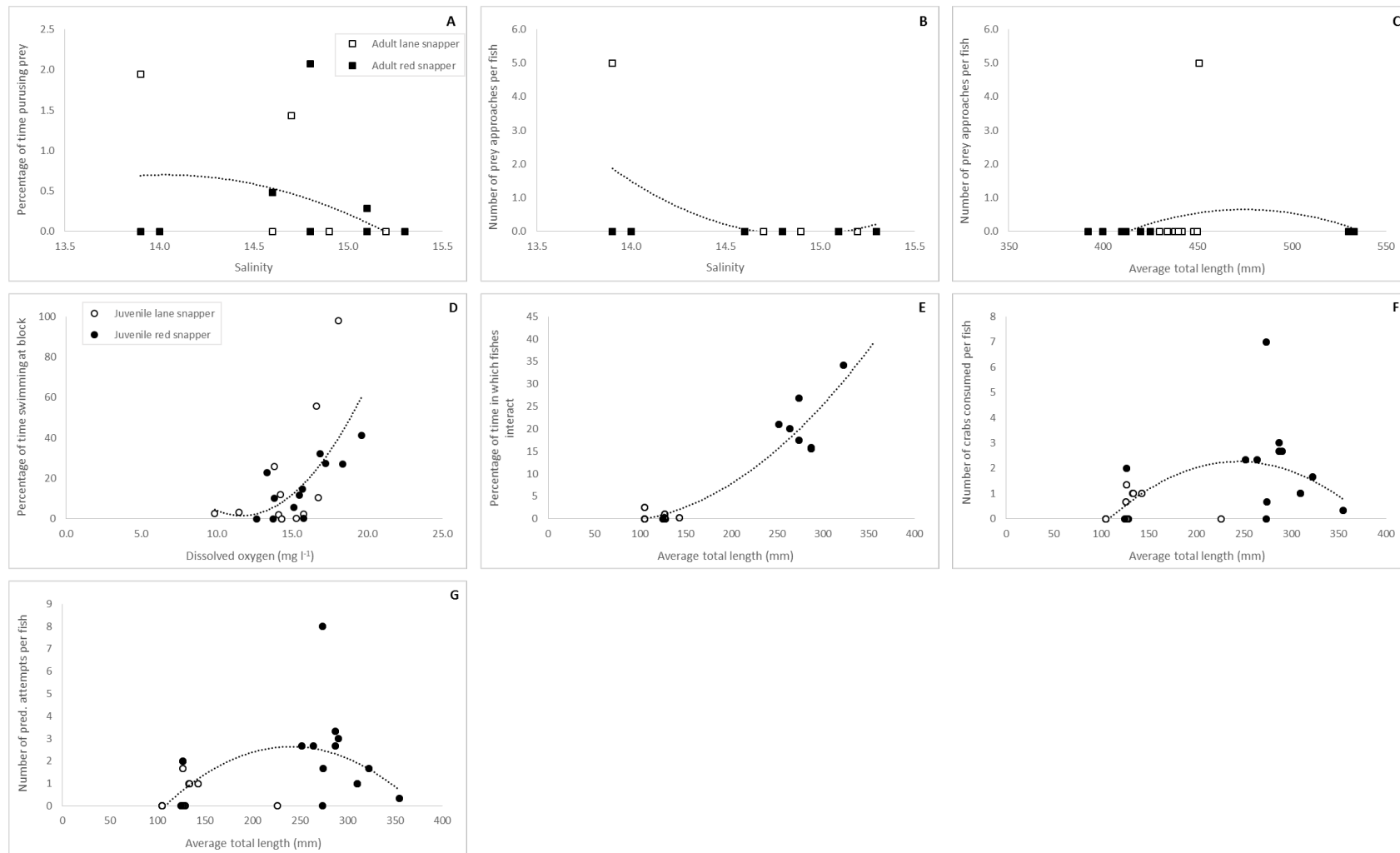


Figure S4. Significant regression relationships among environmental variables, average fish total length, and fish behaviors for adult lane and red snappers. Relationships for adult lane and red snappers between (a) salinity and percentage of time pursuing prey; (b) salinity and (c) average total length and number of non-consumptive prey approaches and for juvenile lane and red snappers between (d) dissolved oxygen and percentage of time swimming at concrete blocks; and between average total length and (e) percentage of time in which fishes interact; (f) number of crabs consumed per fish; and (g) number of predatory attempts on crab prey per fish.