

# Appendix S1

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**Title:** In hot water? Assessing the link between fundamental thermal physiology and predation of juvenile Chinook salmon

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### *Husbandry information*

In January 2020 for the first set of experiments, late fall-run Chinook salmon (n=3,000) were collected from the Coleman National Fish hatchery as eyed eggs (Anderson, CA), and largemouth bass (n=150) were obtained from The Fishery Inc. (Galt, CA). Both species were transported in aerated fresh water to the Center for Aquatic Biology and Aquaculture (CABA) at the University of California, Davis. The facility is equipped with air-equilibrated well water, with ambient water temperatures of 18-19°C. Largemouth bass were held in a 1.5 m-diameter tank with continuous flows of aerated water from a designated well and fed *ad libitum* with a pelleted diet (Skretting, UT, USA). Chinook salmon were kept in two 1 m-diameter indoor tanks, again with continuous flows, until they hatched, when they were transferred to a 2 m-diameter outdoor tank. They were transitioned to a semi-moist starter feed (Rangen, Inc., ID, USA) *ad libitum*, and then feed at 4% feed rate (% body weight per fish per day) of commercial pelleted salmon feed (Skretting, UT, USA) *ad libitum* throughout the experimental trials.

During the second set of experiments starting in January 2021, fall-run Chinook salmon were collected from the Nimbus River hatchery as eyed eggs (n=6,000) and were reared following the same protocol as the late fall-run Chinook salmon. Wild-caught striped bass (n=77) were gathered via boat electrofishing in the Clifton Court Forebay and held at the Tracy Fish Collection Facility (Contra Costa, CA; permit no. S-19170001-20084-001). They were then transported via a transport tank equipped with oxygen to the Putah Creek Fish Facility of CABA and held in a 2 m-diameter flow-through tank at 11°C (+/- 0.5°C). Here they were fed a diet of live fathead minnows (*Pimephales promelas*) purchased commercially from Anderson Minnows (Lonoke, AR). Roughly 2 weeks before experimental trials, striped bass were transported to the CABA facility where they were held for experimental trials. In addition, rainbow trout (n=150)

were donated for research from the American River Hatchery (Gold River, CA) by California Department of Fish and Wildlife. They were held at the CABA facility in 2 m-diameter tanks with continuous flows of aerated well water and fed a pelleted diet (Skretting, UT, USA) *ad libitum* prior to the experiments.