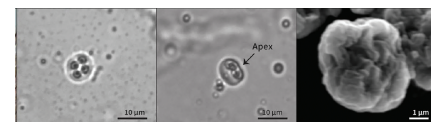
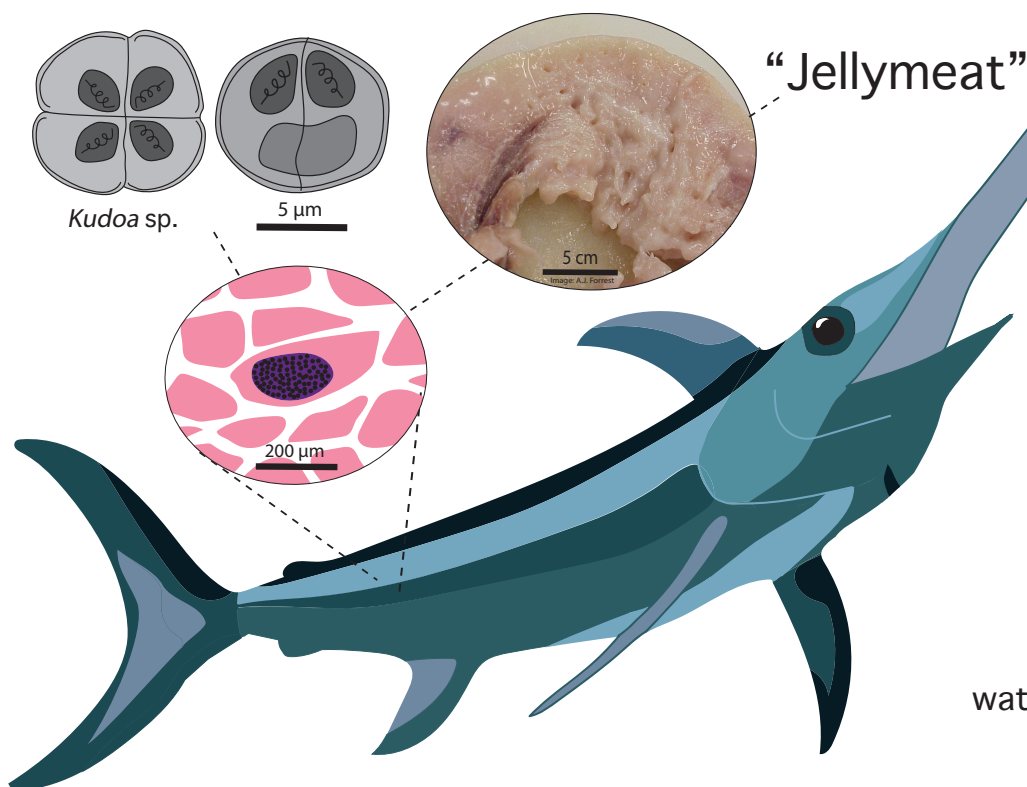


Forecasting swordfish quality

A tool for dynamic industry adaptation



① Infection by *Kudoa* sp. can cause “jellymeat” (post-mortem myoliquefaction) in swordfish. Fishers and seafood processors operating within Australia’s Eastern Tuna and Billfish Fishery (ETBF) have reported observing “jellymeat” more often in summer, or when waters fished are warmer than usual

② Model relationships between the prevalence/intensity of *Kudoa* sp. infection and ocean state throughout the ETBF



③ Create “jellymeat” forecasts for industry via an RShiny app, to help fishers avoid harvesting infected swordfish. This could:

- (i) reduce potential for unnecessary wastage of poor-quality swordfish,
- (ii) maintain profitability, and
- (iii) improve adaptive capacity of the industry to changing ocean conditions

