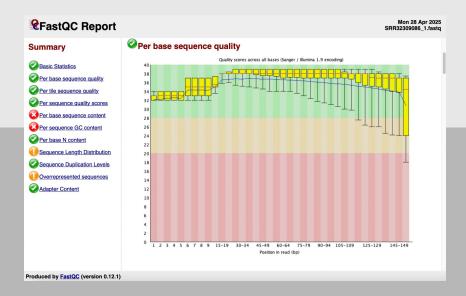
Mycobacterium marinum

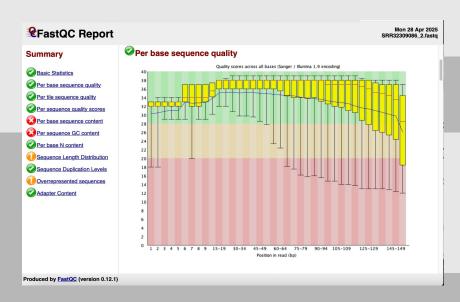
Bioinformatics final spring 2025

Holly Moffett

GENOME SECTION REPORT

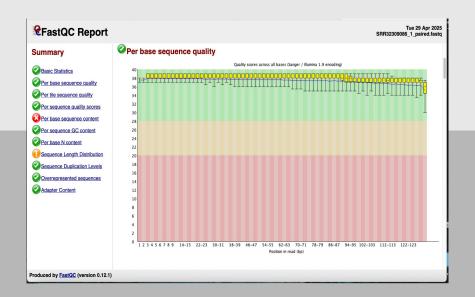
FastQC

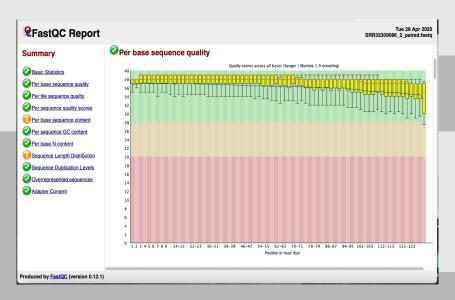




CheckM2 contamination: 1.72%

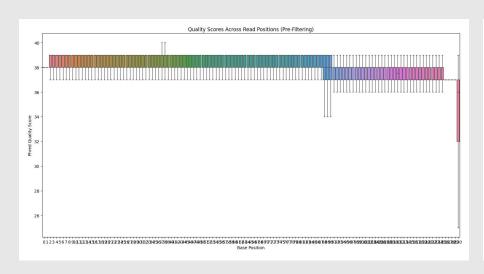
FastQC post Trimmomatic

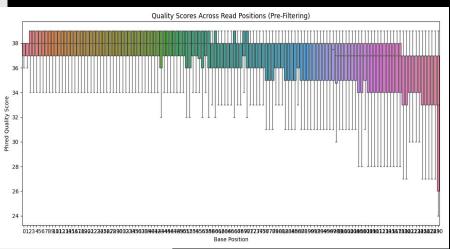




CheckM2 contamination: 1.44%

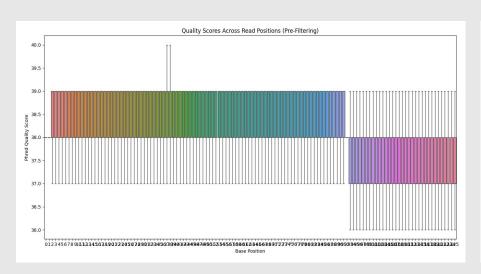
Python visualization

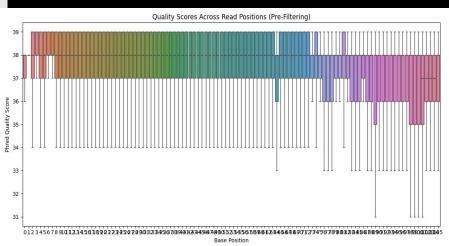




CheckM2 contamination: 1.44%

Python visualization post fastp





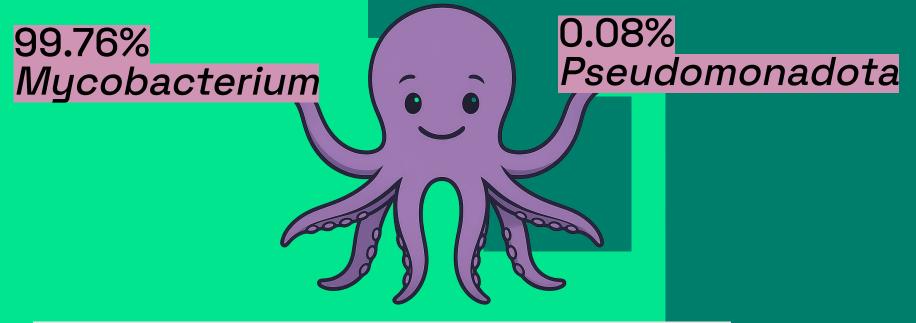
CheckM2 contamination: 1.23%

Kraken2 report



CheckM2 contamination: 1.23%

Kraken2 report post align + filter



CheckM2 contamination: 1.88%

CONTENT

~・・・・?つ look away



Mycobacterium marinum infections in fish and humans



Delghandi, M. R., El-Matbouli, M., & Menanteau-Ledouble, S. (2020). Mycobacteriosis and Infections with Non-tuberculous Mycobacteria in Aquatic Organisms: A Review. Microorganisms, 8(9), 1368. https://doi.org/10.3390/microorganisms8091368



Tsiolakkis, G., Liontos, A., Filippas-Ntekouan, S., Matzaras, R., Theodorou, E., Vardas, M., Vairaktari, G., Nikopoulou, A., & Christaki, E. (2023). *Mycobacterium marinum*: A Case-Based Narrative Review of Diagnosis and Management. *Microorganisms*, 11(7), 1799. https://doi.org/10.3390/microorganisms11071799

RAST SEED Viewer (Final Assembly) and SWISS-MODEL of RbpA

