NIMBiosS Tutorial: The search for Selecton
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Day 1: Tests of neutral trait divergence (WL Chapter 12)
Lecture 1: Drift in the mean of Quantitative Traits
Lecture 2: Rate-based and time-series based tests
Lecture 3: Qst vs Fst
Lecture 4: Orr QTL tests (and their extensions)

Day 2: Tests based on Molecular Data I (WL Chapters 8, 9)
Lecture 5: Sweep theory
Lecture 6: Genome-wide Signatures from repeated past selection
Lecture 7: Polymorphism-based tests 1:
  Allele frequency changes and Lewontin-Krakauer tests
Lecture 8: Polymorphism-based tests 2:
  Genome pattern-based tests and SFS tests

Day 3: Tests based on Molecular Data II (WL Chapters 9, 10)
Lecture 9: Polymorphism-based tests 3:
  Haplotype-based tests
Lecture 10: Polymorphism-based tests 4:
  Domestication genes and other examples
Lecture 11: Divergence-based tests 1:
  HKA and MK tests
Lecture 12: Divergence-based tests 2:
  Rate of adaptive substitutions, Poisson random field models

Day 4: Estimating Individual fitness (WL Chapter 29)
Lecture 13: Episodes of Selection and the Assignment of Fitness
Lecture 14: Variance in Individual Fitness, Bateman gradients

Trait-fitness associations I (WL Chapter 29)
Lecture 15: Descriptions of Phenotypic Selection 1: Basics
Lecture 16: Descriptions of Phenotypic Selection 2: Fitness surfaces

Day 5: Trait-fitness associations II (WL Chapter 30)
Lecture 17: Multivariate selection 1: Basics
Lecture 18: Multivariate selection 2: Fitness surfaces
Lecture 19: Multivariate selection 3: Advanced Topics
  Elasticities, path analysis, levels of selection
Lecture 20: wrap up and conclusions

WL = Walsh and Lynch, Evolution and Selection of Quantitative Traits, Sinauer (2018)