BIOL 404: Molecular Evolution
Wrap up

Dr. Erica Bree Rosenblum
Evolvability and the emergent properties of complex systems

Stability/Constraint vs Changability/Evolvability

Evolvability: organism’s capacity to generate heritable, selectable phenotypic variation

- Gene regulation
- Weak (as opposed to strong) linkage
- Exploratory mechanisms
- Redundancy

Kirshner and Gerhard 1998 PNAS