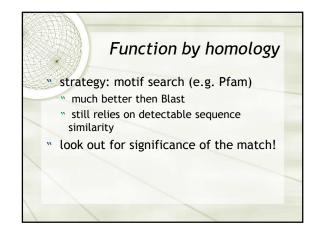
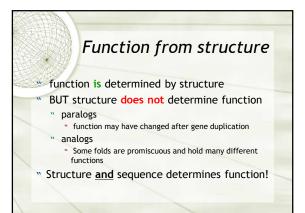
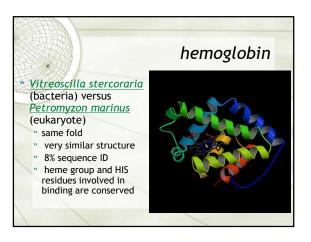


Function by homology

- * strategy: Blast, copy and paste
 - add "-like protein" if you feel like
- " Problems
 - " annotation errors in databases
 - " inheritance of errors
 - " "chinese whisper"
 - " a single mutation may make a protein non-functional







Combining sequence and structure

- compare structures
 - how functional promiscuous is the structure?
- " analyse sequence similarity of related structures to your query sequence
 - * are functional important residues from proteins with known function conserved in your protein?
- " extend the sequence analysis to complete family
 - " are putative functional residues also conserved evolutionary?

