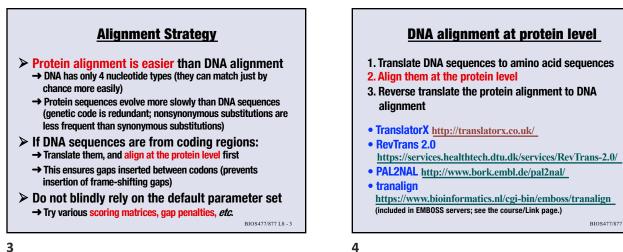
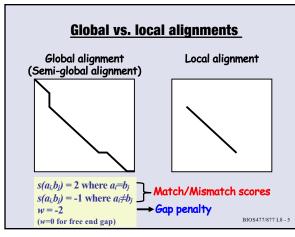
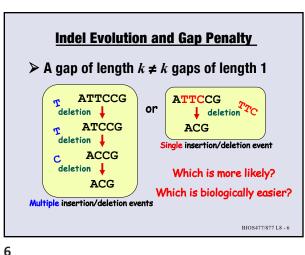


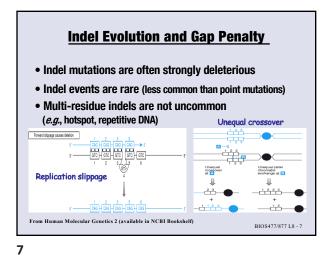
BIOS477/877 L8 - 2

BIOS477/877 L8 - 4









Indel Evolution and Gap Penalty Indel mutations are often strongly deleterious • Indel events are rare (less common than point mutations) Multi-residue indels are not uncommon • Fewest number of unlikely events → most likely evolutionary hypothesis Maximum parsimony AATCTATA AATCTATA 1 indel 2 indels (more likely than 2 indel events) AA-G-ATA -GATA AA-BIOS477/877 L8 - 8

8

