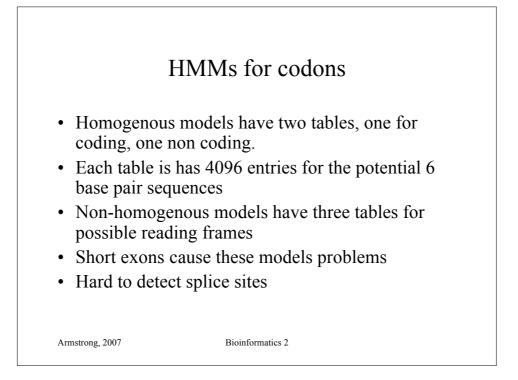
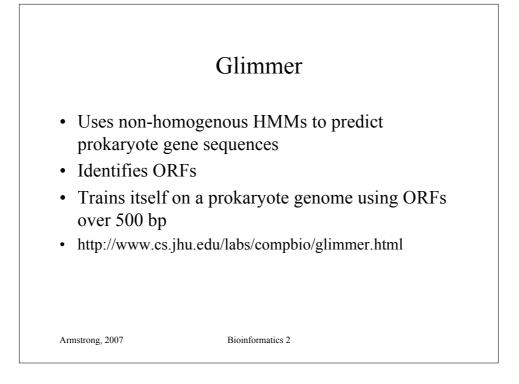


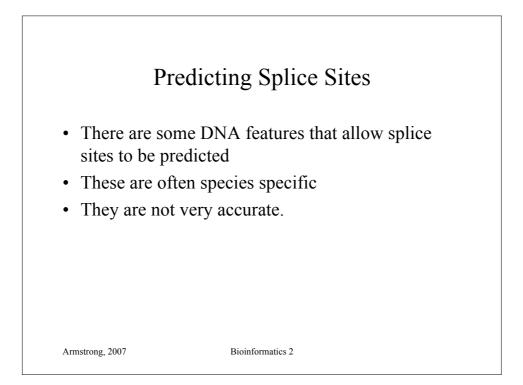
- Model based on examining 6 consecutive bases (i.e. all three reading frames).
- Based on statistical differences between coding and non coding regions
- 5<sup>th</sup> order Markov Model.
- Given 5 preceding bases, what is the probability of the 6<sup>th</sup>?
- Homogenous model (ignores reading frame)

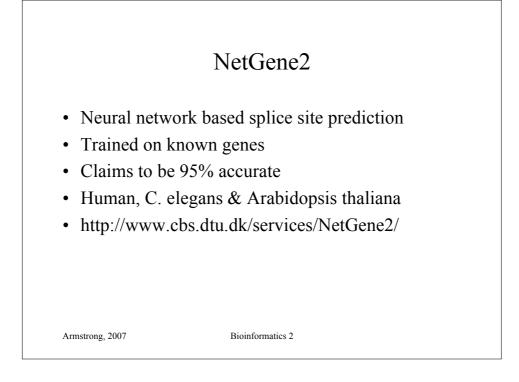
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Armstrong, 2007
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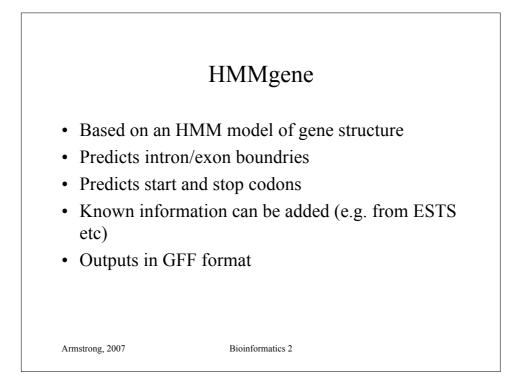
Bioinformatics 2

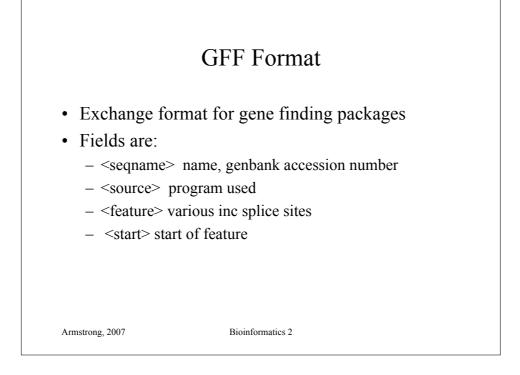


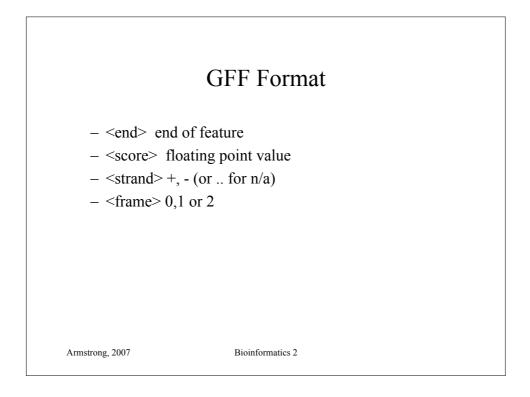


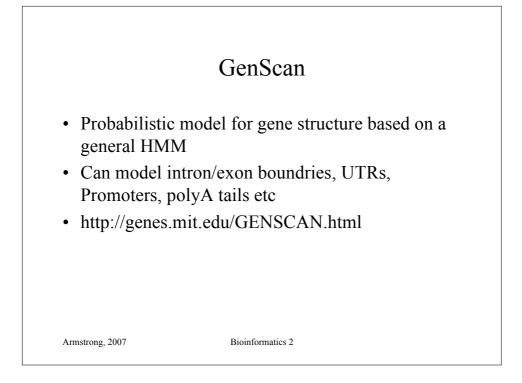


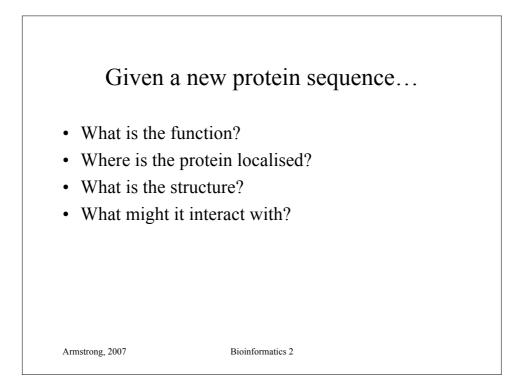


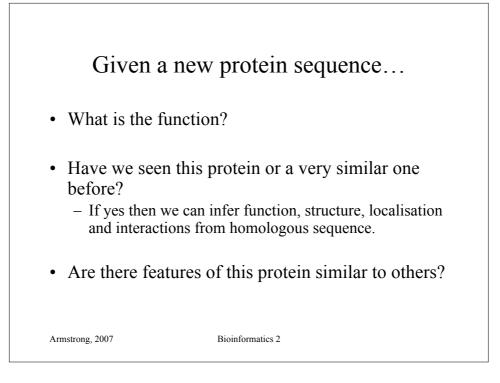


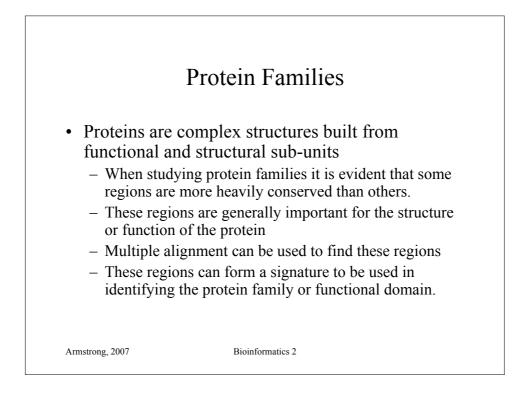




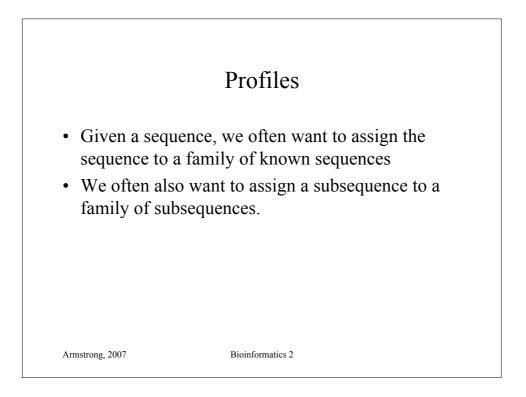


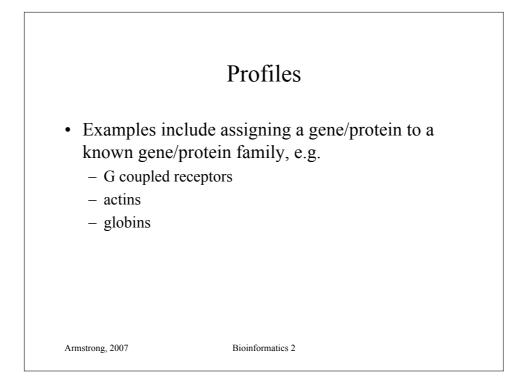


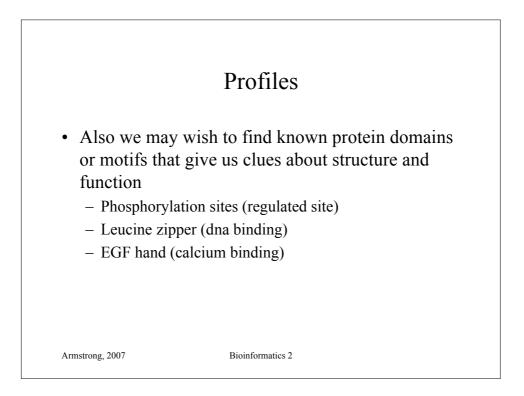


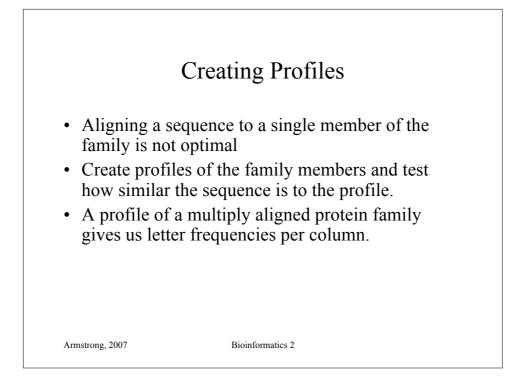


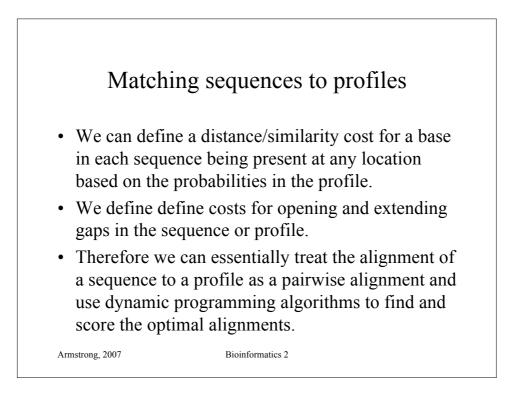
Protein Domains					
<ul> <li>Evolution conserves sequence patterns due to functional and structural constraints.</li> <li>Different methods have been applied to the analysis of these regions.</li> <li>Domains also known by a range of other names:</li> </ul>					
motifs	patterns	prints	blocks		
Armstrong, 2007	В	ioinformatics 2			

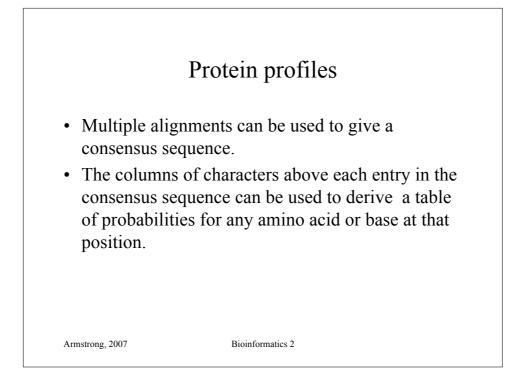


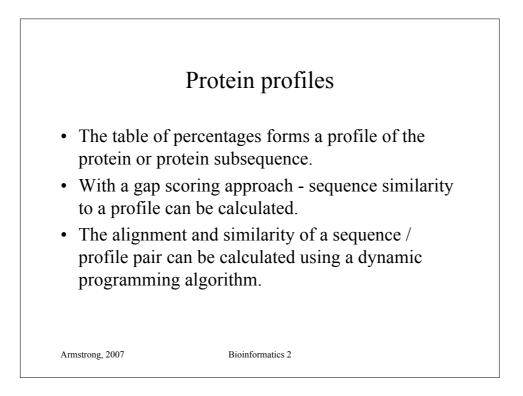


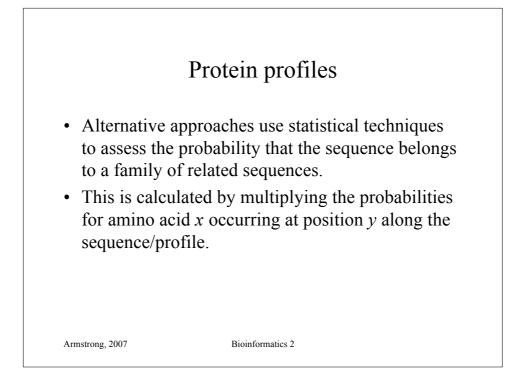


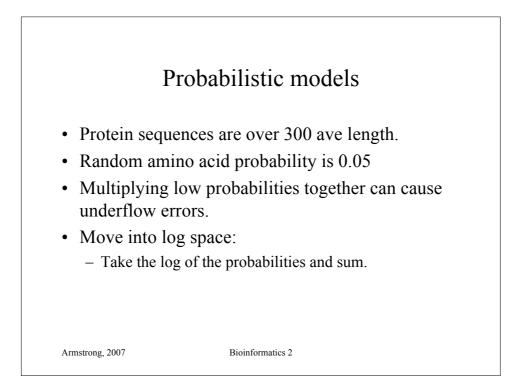


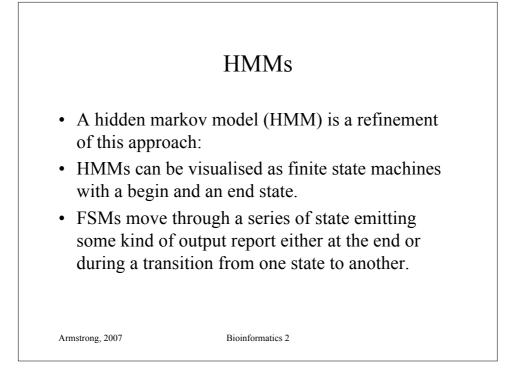


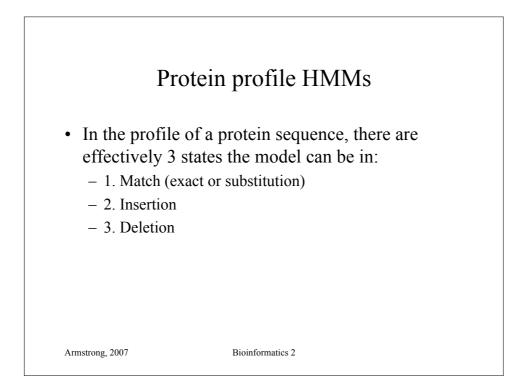


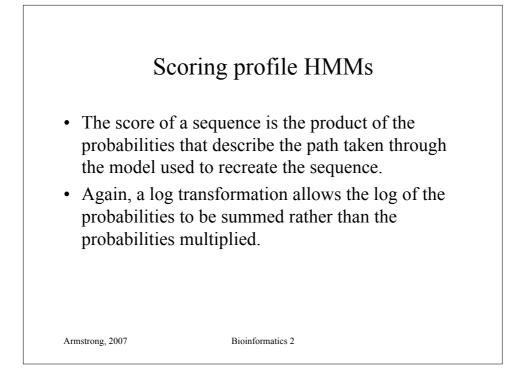


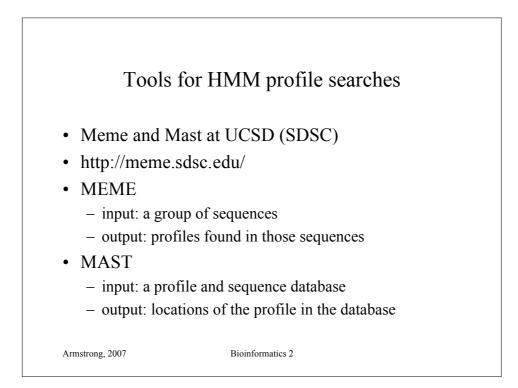


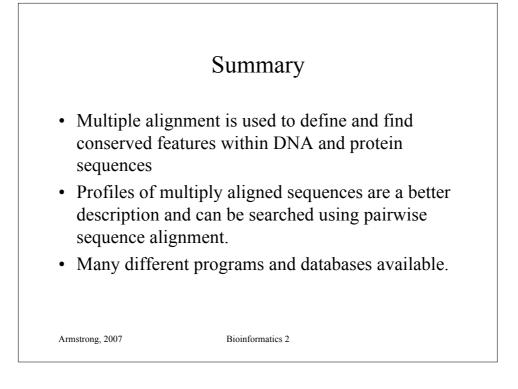


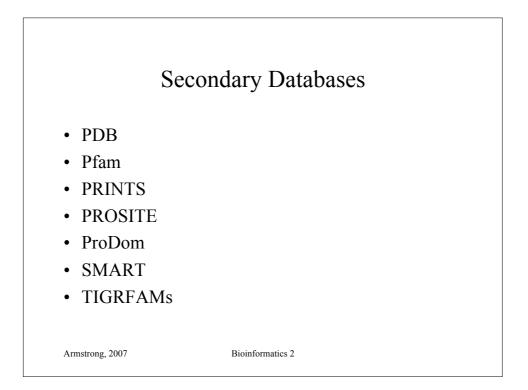


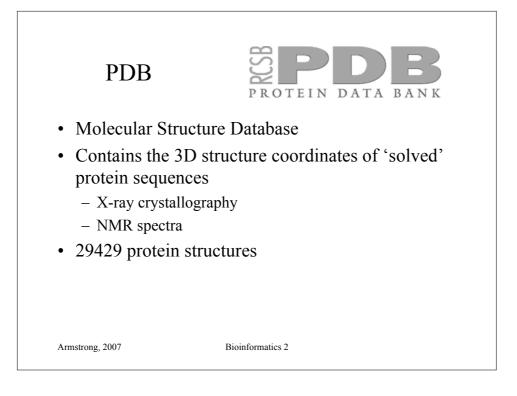


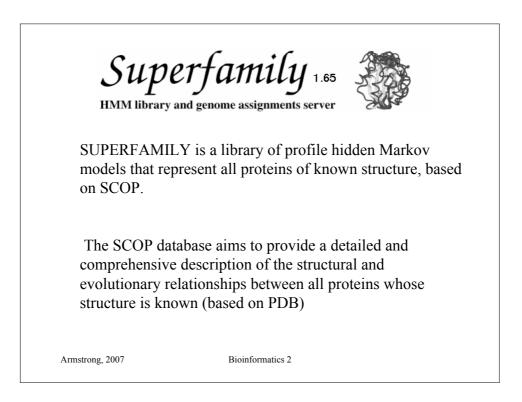


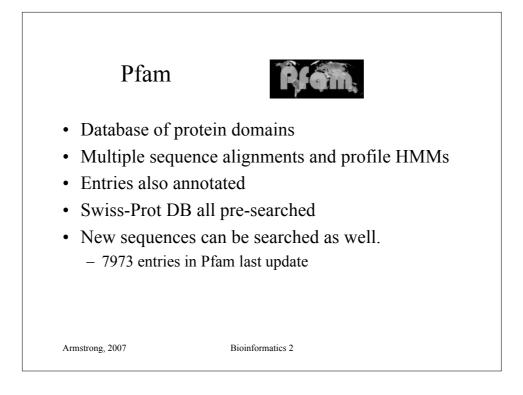


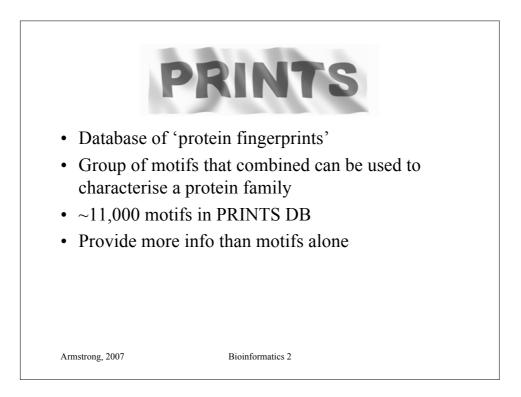


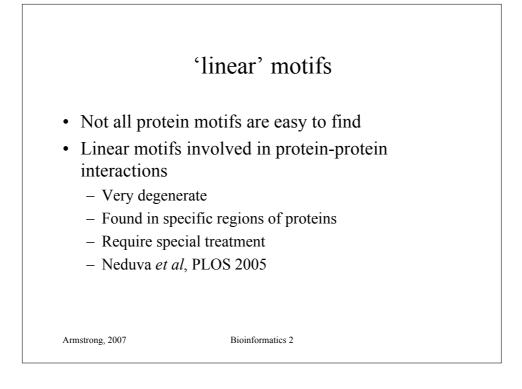




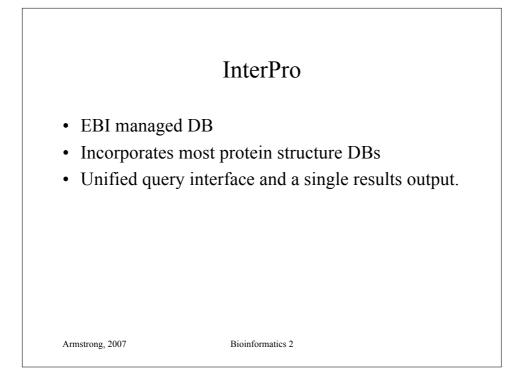


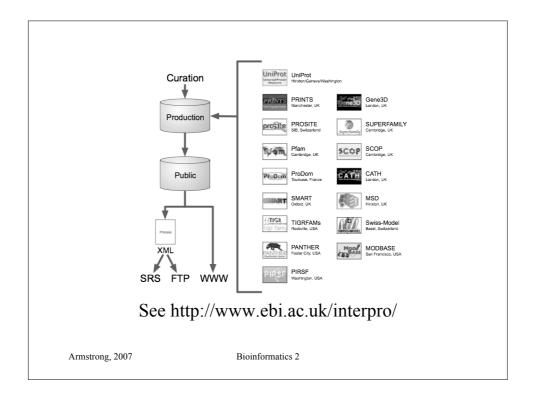












InterPro						
SWISS-PROT PRINTS TREMBL PFAM	38 31.1 18	ENTRIES 197228 1900 2342938 7973				
PROSITE Currently month.		1882 plans to add 3 new ones this				
Armstrong, 2007	Bioinform	natics 2				

