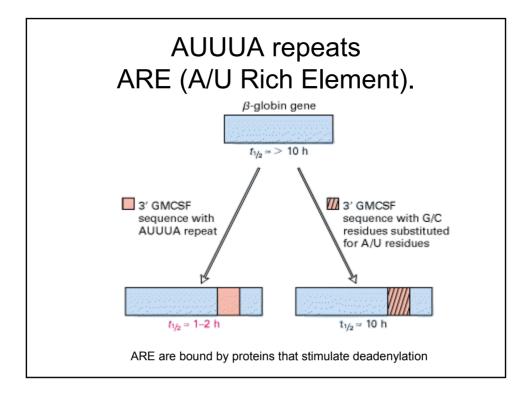
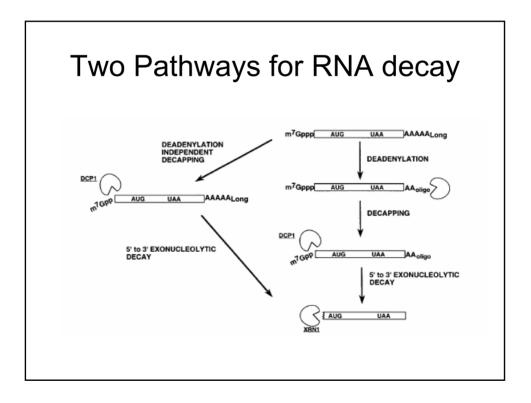
PRNA Stability Differential Stability Regulation of Stability Iron Regulation Nonsense Mediated Decay RNAi

mRNA half life Steady State		
mRNA	Half-Life in Hours	
B-Actin	60	
Dihydrofolate reductase	97	
G3P dehydrogenase	75-130	
Hsp70	2	
Ornithine decarboxylase	0.5	
C-myc	0.1	





Regulated turnover			
Table 16.1 Effect of Prolactin on Half-Life of Casein mRNA			
RNA Half-life (h)			
Species of RNA	- Prolactin	+ Prolactir	
rRNA	>790	>790	
Poly(A) ⁺ RNA (short-lived)	3.3	12.8	
Poly(A) ⁺ RNA (long-lived)	29	39	
Casein mRNA	1.1	28.5	

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