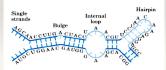


RNA bases within a stem form a bul ed bases are on only one side of d bases interrupt both sides of

Single stranded bases within a stem form a bulge or bulge loop if the single stranded bases are on only one side of the stem.

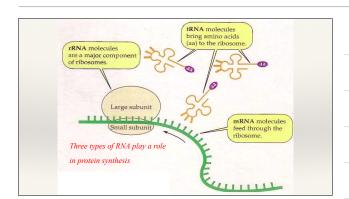
If single stranded bases interrupt both sides of a stem, they form an internal (interior) loop.

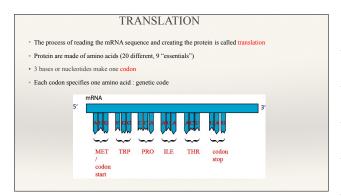


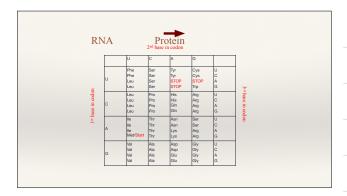
RNA

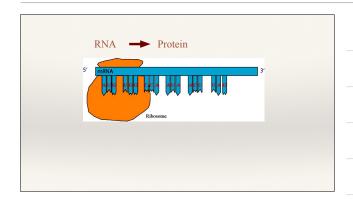
In addition to secondary structural interactions in RNA, there are also tertiary interactions, including: (A) pseudoknots, (B) kissing hairpins and (C) hairpin-bulge contacts.

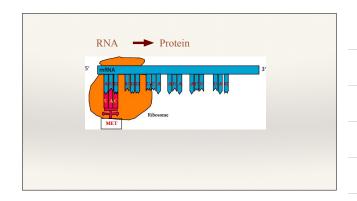


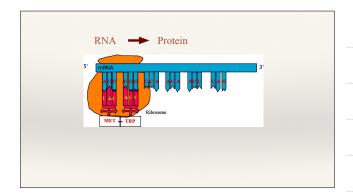


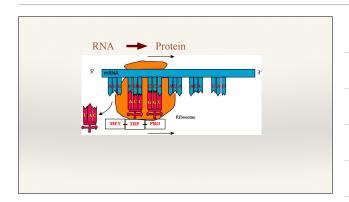


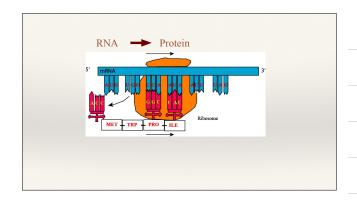


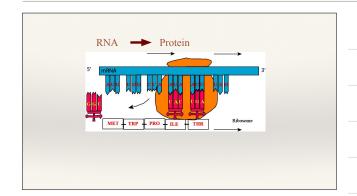


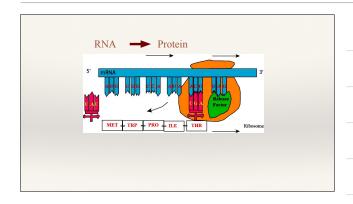


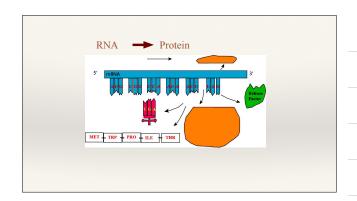


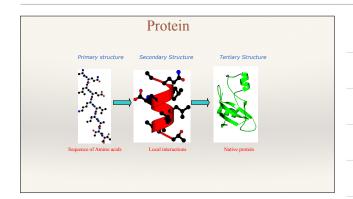


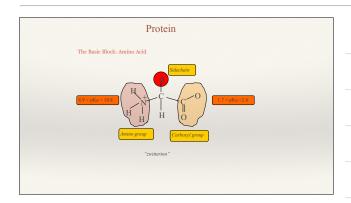












		Protein		
	1-letter	3-letter	Amino acid	
The 20 amino acids	A	Ala	Alanine	
	C	Cys	Cysteine	
	D	Asp	Aspartic Acid	
	E	Glu	Glutamic Acid	
	F	Phe	Phenylalanine	
	G	Gly	Glycine	
	H	His	Histidine	
	I	Ile	Isoleucine	
	K	Lys	Lysine	
	L	Leu	Leucine	
	M	Met	Methionine	
	N	Ask	Asparagine	
	P	Pro	Proline	
	Q	Gln	Glutamine	
	R	Arg	Arginine	
	S	Ser	Serine	
	T	The	Threonine	
	V	Val	Valine	
	W	Trp	Tryptophane	
	Y	Tyr	Tyrosine	

