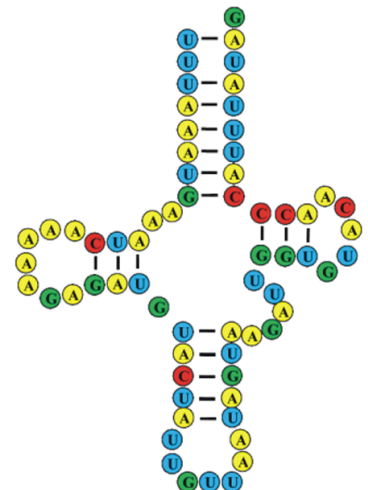
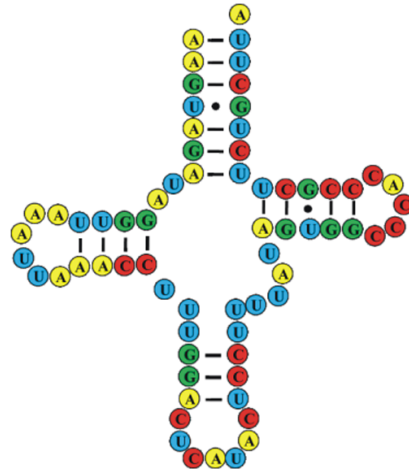
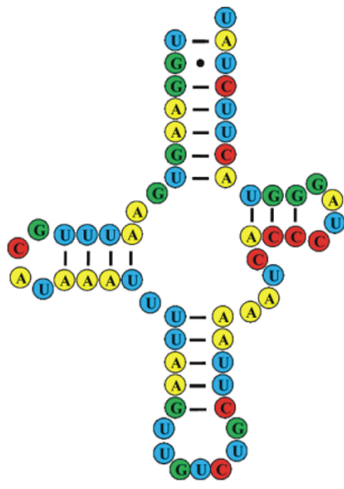


		Second nucleotide					
		U	C	A	G		
First nucleotide	U	UUU Phe UUC UUA Leu UUG	UCU UCC Ser UCA UCG	UAU Tyr UAC UAA STOP UAG STOP	UGU Cys UGC UGA STOP UGG Trp	U	U
	C	CUU CUC Leu CUA CUG	CCU CCC Pro CCA CCG	CAU His CAC CAA Gln CAG	CGU CGC Arg CGA CGG	C	C
	A	AUU Ile AUC AUA AUG Met	ACU ACC Thr ACA ACG	AAU Asn AAC AAA Lys AAG	AGU Ser AGC AGA Arg AGG	A	A
	G	GUU GUC Val GUA GUG	GCU GCC Ala GCA GCG	GAU Asp GAC GAA Glu GAG	GGU GGC Gly GGA GGG	G	G

**tRNAs** Determine the amino acid for each tRNA in the mitochondrial genome of the booklouse *Liposcelis decolor*. Figures from **Figure 3: Putative secondary structures of the 22 tRNA genes identified in the mitochondrial genome of *Liposcelis decolor***.<sup>1</sup> Write the **anticodon**, the **codon**, and the **amino acid** for each tRNA below. Note the 3' and 5' ends of each RNA sequence.



<sup>1</sup>Chen et. al., *The Complete Mitochondrial Genome of the Booklouse, Liposcelis decolor: Insights into Gene Arrangement and Genome Organization within the Genus Liposcelis*, PLOS One 2014.