Second letter											
		U		С		A		G			
First letter	U	UUU		UCU UCC UCA UCG	Serine	UAU	Tyrosine	UGU UGC	Cysteine	U C A G	
		UUA UUG	Leucine			UAA UAG	Stop codon Stop codon		Stop codon Tryptophan		
	С	CUU CUC CUA CUG	Leucine	CCU CCC CCA CCG	Proline	CAU	Histidine	CGU CGC	Arginine	U	
						CAA	Glutamine	CGA CGG	Argilline	A G	Third
	A	AUU AUC AUA	Isoleucine	ACU ACC ACA ACG	Threonine	AAU	Asparagine	AGU AGC	Serine	C	letter
		AUG	Methionine; start codon			AAA	Lysine	AGA AGG	Arginine	A	
	G	GUU GUC GUA GUG	Valine	GCU GCC GCA GCG	Alanine	GAU GAC	Aspartic acid	GGU GGC	Glycine	C	
						GAA GAG	Glutamic acid	GGA GGG	A G		

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Bug DNA (A)

Here is your bug's DNA. In order to decode the genetic message, you will first need to divide the DNA into triplets. Then transcribe the DNA into mRNA and translate the mRNA into amino acids. The amino acid sequence coded for by the DNA will determine the traits of your bug.

GAGCGACTT GGACGGCCT GCAAAAGTG TAAAACAACATAACG

head gene thorax gene abdomen gene eye color gene

CGCAGGGTTCTA TAGCTAACG TGACAGTTAGGA TGGACAAGT

wing color gene wing length gene leg length gene antenna gene

GCCGGAGTG

body color gene