BICH/GENE 431 KNOWLEDGE OBJECTIVES

Chapter 15 – Genetic Code
Understand degeneracy in genetic code
How many possible codons?
Know stop codons and start codon(s)
Understand what is meant by codon usage and possible significance
Wobble in tRNA anticodon : codon basepairing in 3rd position of codon
Understand significance of wobble – fewer tRNAs necessary to decode
Know wobble rules for basepairing (Table 15-2)
Know differences between missense, nonsense, frameshift mutations
Understand types of suppressors – reversion, second-site suppressors (intragenic vs.
      intergenic)
Understand how two frameshift mutations can work as intragenic suppressor
Understand how tRNA nonsense suppressors work (good example of intergenic)