-log-likelihood across positions 300-400 (105_Z_TAA_20000) Mutation at amino acid position 105 (nucleotides 313–315) Ш 7.5 Ш Ш Ш Ш Ш Log-likelihood Ш Codon position Ш Ш Ш 3 Ш Ш 2.5 • Ш Ш 1110 0.0 Ш 350 375 300 325 400 Nucleotide position