Exercise 1 help file: This file contains an annotated <u>portion</u> of the results output by codeml for a maximum likelihood analysis of a pair of sequences. The box contains the portion of the results file that is most relevant to completing exercise 1. These lines of the output can be found at the end of the results file.

```
This line indicates a
                                                                        pairwise comparison.
                                                                        "Sim" and "Mel" are the
                                                                        sequence labels provided
                                                                        in the sequence file. 1 and
                                                                        2 indicate the order of
                                                                        these sequences in that
                                                                        file.
pairwise comparison, codon frequencies: Fcodon.
2 (Sim) ... 1 (Mel)
                                                                        This line gives the log
lnL = -786.354023
                                                                        likelihood (In L) of the pair
  0.17748 2.24589
                                                                        of sequences
t = 0.1775 S= 44.6 N= 555.4 dN/dS = 0.0010
                                                                dN = 0.0008 dS = 0.7866
```

This is the value of ω . In this case it was fixed = 0.001