Viruses - Pairwise comparison between amino acid and factors for amino acid **L** and genetic code: Invertebrate mitochondrial 3.5 log10-Length 5.7 0.8 2.0 0.6 ე 0.4 -0.2 0.12 Og 0.10 + copo 0.08 0.06 0.12 Oquation + QCO 0.10 0.08 0.06

0.2

0.4

GC

0.6

0.06

0.08

Codon+GC

3.5

0.050 0.075 0.100 0.125 0.150

Amino acid frequency

2.0

2.5

log10-Length

3.0

0.12

0.10

0.06

0.10

Codon+GC+Cost

0.12

0.08