Correlation between amino acid and codon number Viruses, Echinoderm Mitochondrial Flatworm Mitochondrial 1e7 pearsonr w/ Stop: 0.57 Proteome data p-value w/ Stop: 7.4e-03 Genetic code 1.4 pearsonr w/o Stop: 0.57 p-value w/o Stop: 9.0e-03 1.2 Summed amino acid number 1.0 0.8 -16.4 24.9 0.6 0.4

Amino acid (plus Stop)

0.2

0.0

W