

Detecting Selection at the Molecular Sequence Level:

The prospect:

The dN/dS ratio

Negative (or purifying) selection:

Positive (or balancing) selection

Interpreting a dN/dS ratio of close to 1:

Comparing the dN/dS ratio within versus between species

Results of applying the MK test to 10,000+ genes in
the human genome

The M-K test can be used to estimate the proportion of genomic substitutions that are adaptive