**Supplementary Figure 1.** Primate species used in initial screen for evidence of positive selection. Red boxes indicate species for which a gene ortholog was included for phylogenetic analysis.
**Supplementary Figure 2.** dN/dS ratios for IL13 orthologs in the pirmate lineage as calculated using PAML. dN/dS ratios greater than 1 are denoted in red.
**Supplementary Figure 3.** Amino acid alignment of great ape ECP homologs. Divergent sites relative to human ECP are highlighted.