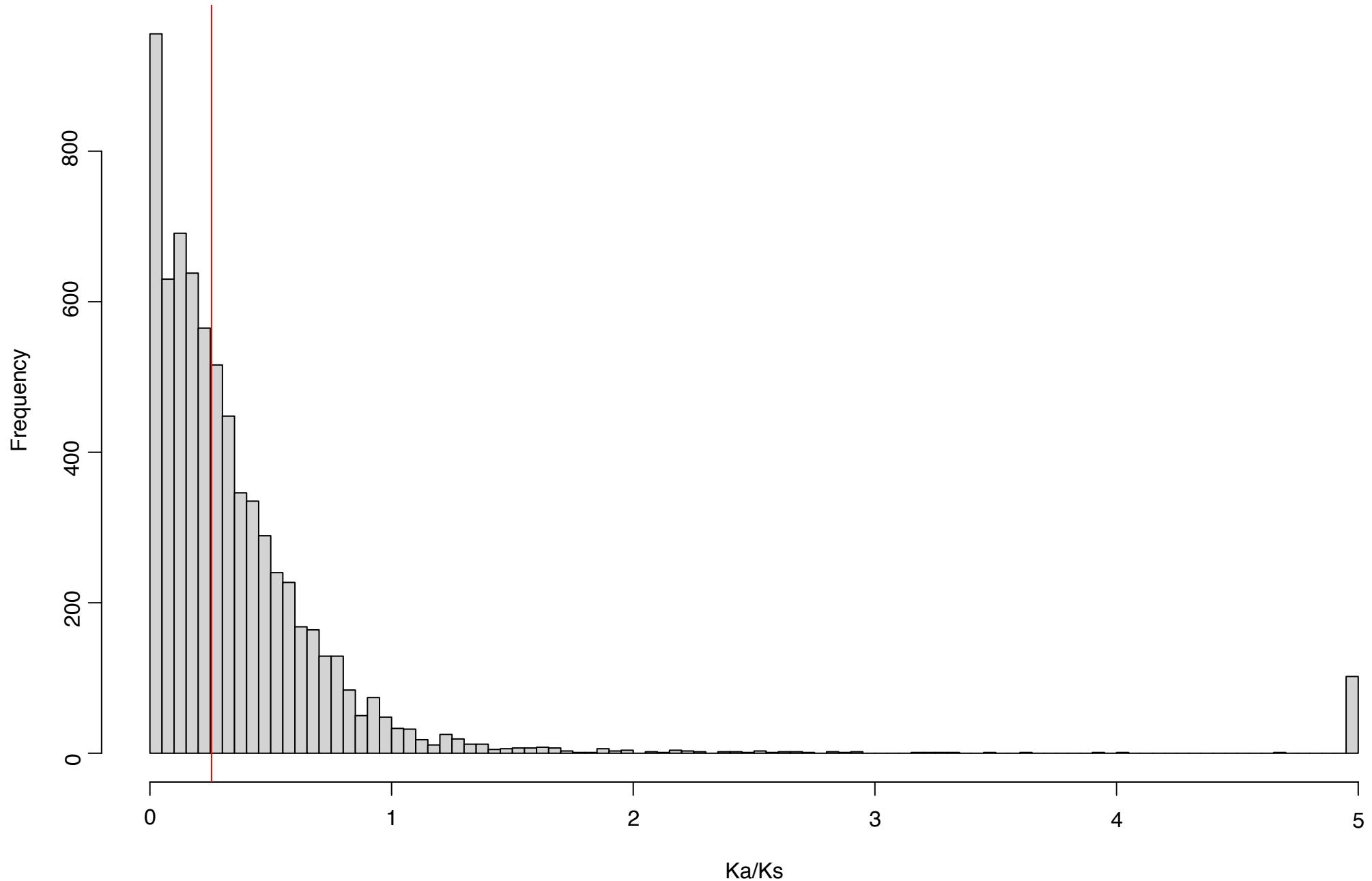


Figure 6

**Histogram of pairwise Ka/Ks between *C. immitis* and *C. posadasii***



Distribution of dN/dS values for all pairwise orthologs between *C. immitis* and *C. posadasii*

Histograms illustrating the dN/dS value for each of the 6,763 pairwise orthologs conserved between the *C. immitis* and *C. posadasii* genomes. The median value of 0.25 is indicated with a vertical red line and suggests that most genes have evolved under purifying selection. The plot is bounded by dN/dS = 5, so all greater values are represented in the right hand most bin.