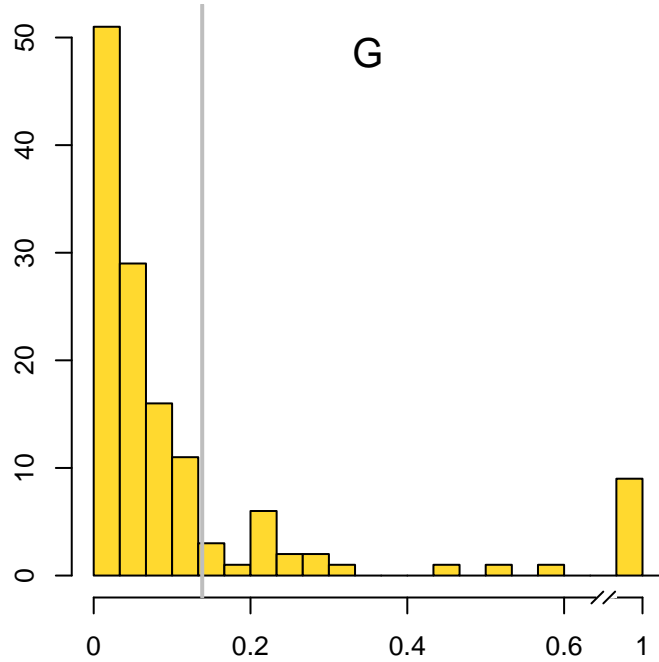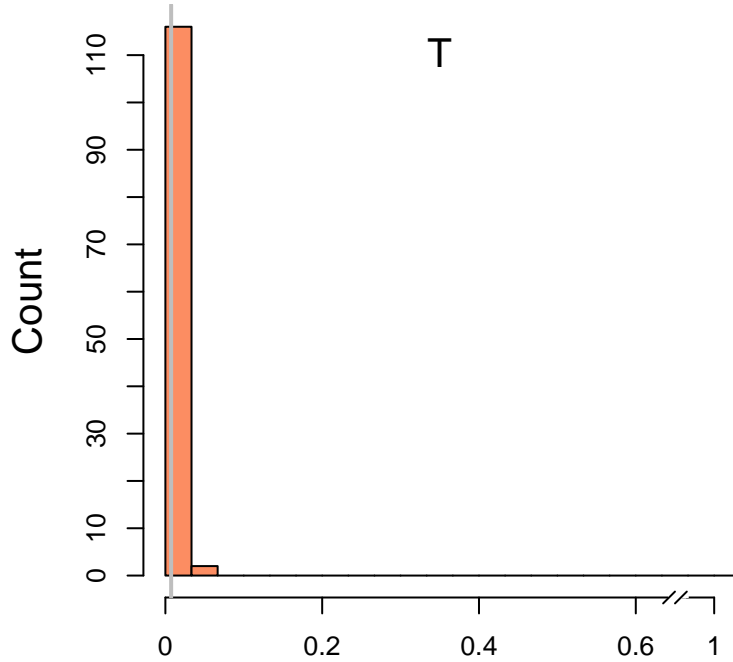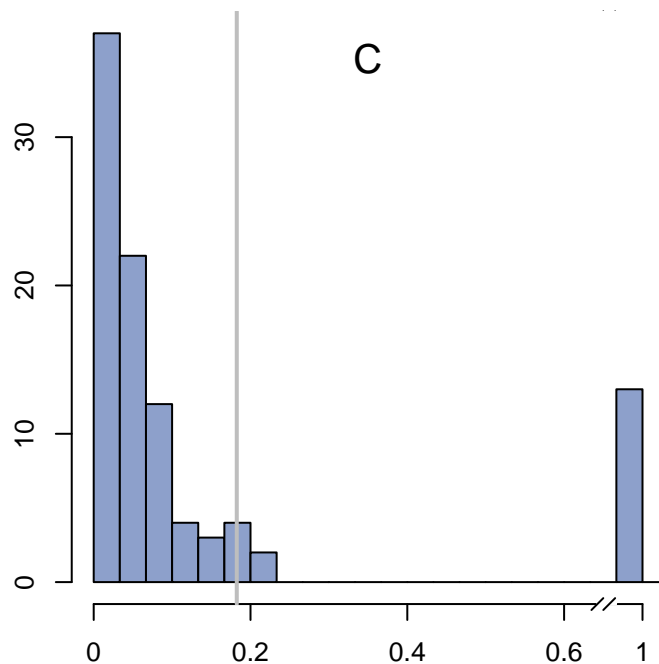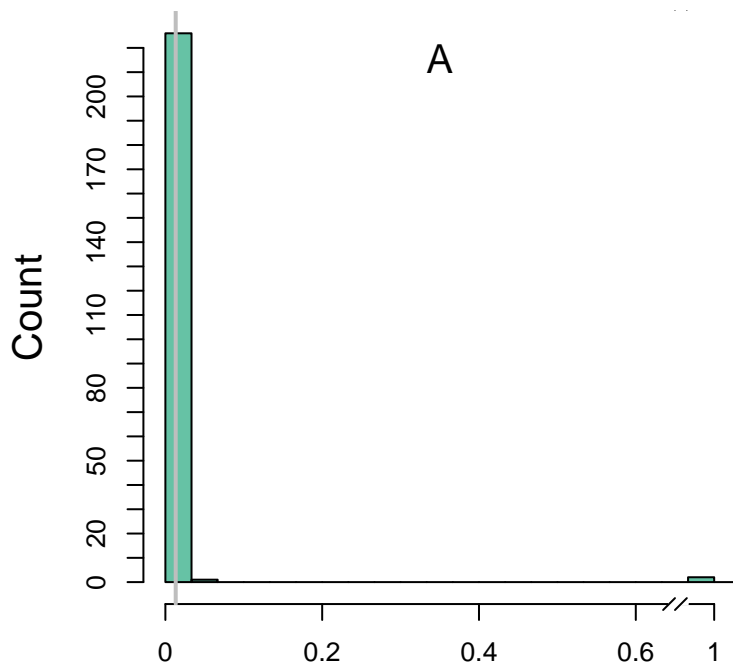Bachelor data, nonsynonymous sites