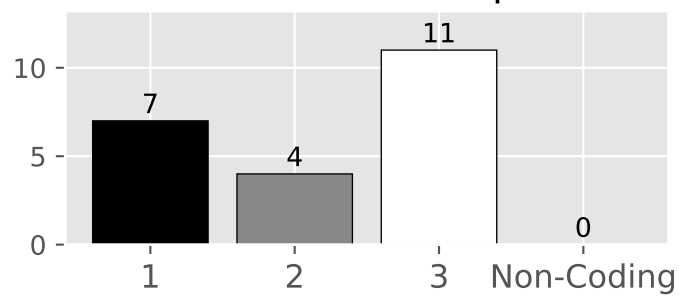


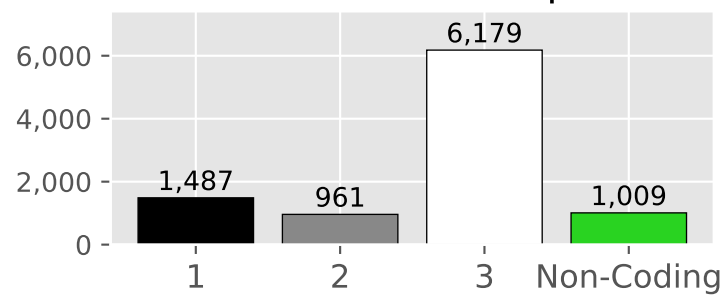
# Rare mutation frequencies across codon positions

Number of Mutated Positions

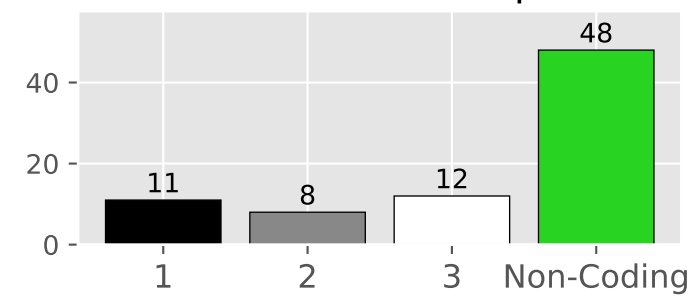
CAMP: LoFreq



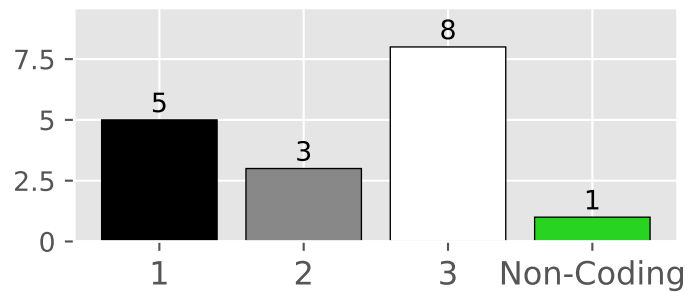
BACT1: LoFreq



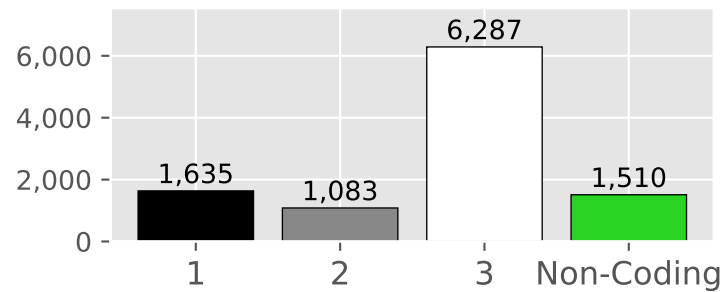
BACT2: LoFreq



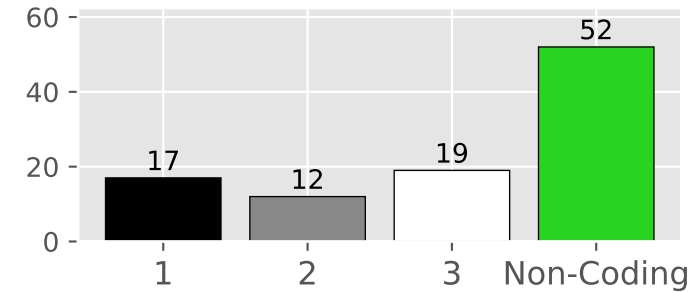
CAMP: naïve,  $p = 2\%$



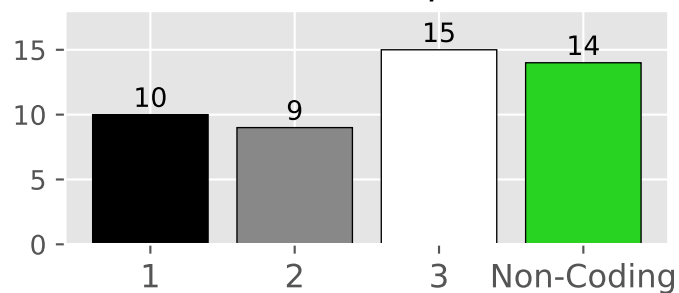
BACT1: naïve,  $p = 2\%$



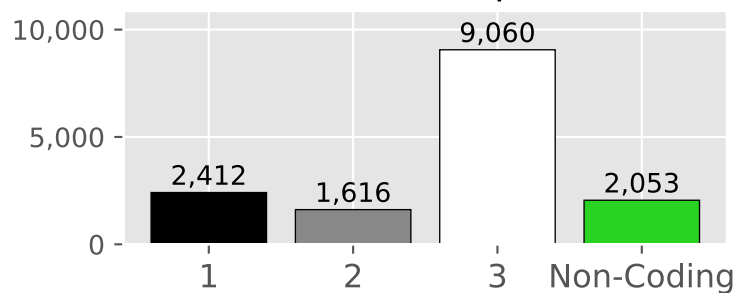
BACT2: naïve,  $p = 2\%$



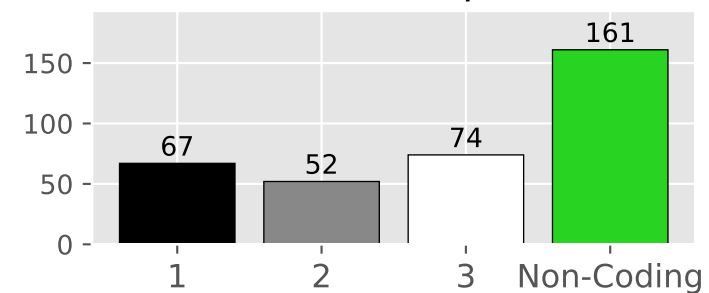
CAMP: naïve,  $p = 1\%$



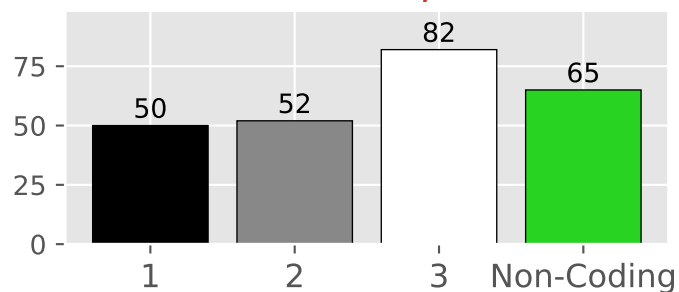
BACT1: naïve,  $p = 1\%$



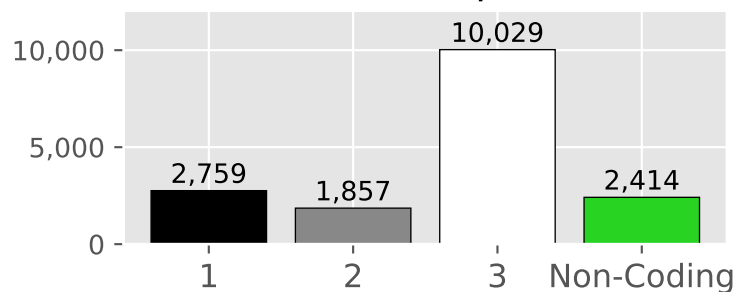
BACT2: naïve,  $p = 1\%$



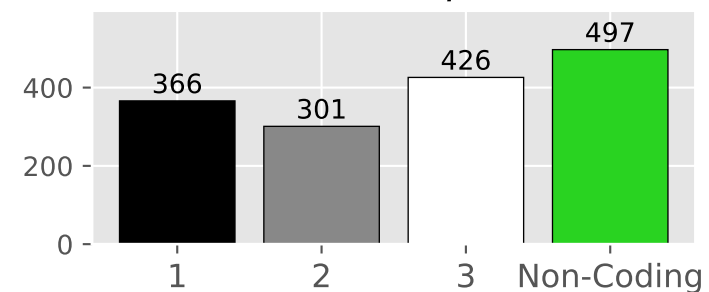
**CAMP: naïve,  $p = 0.5\%$**



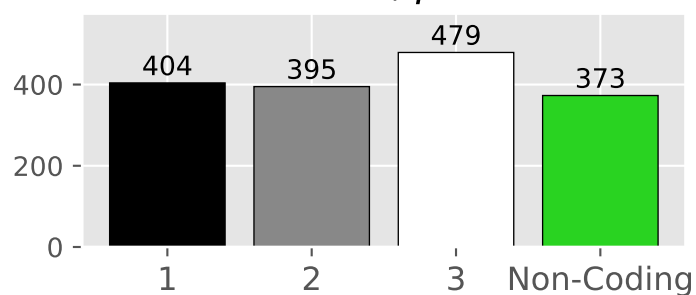
BACT1: naïve,  $p = 0.5\%$



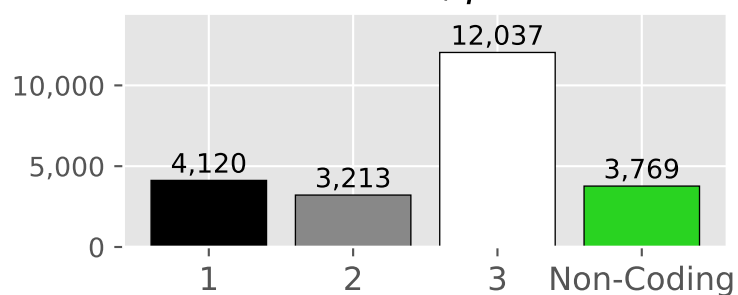
BACT2: naïve,  $p = 0.5\%$



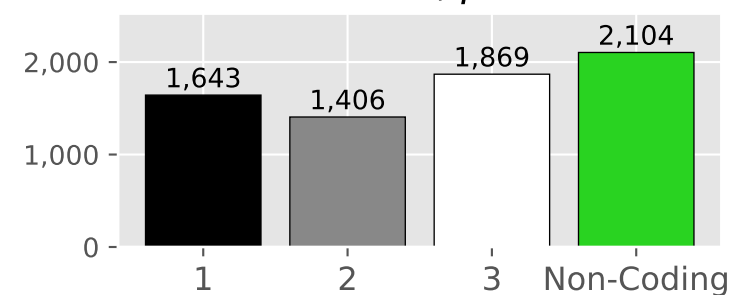
CAMP: naïve,  $p = 0.25\%$



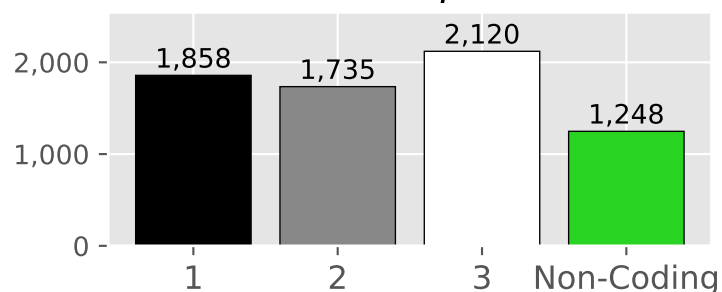
BACT1: naïve,  $p = 0.25\%$



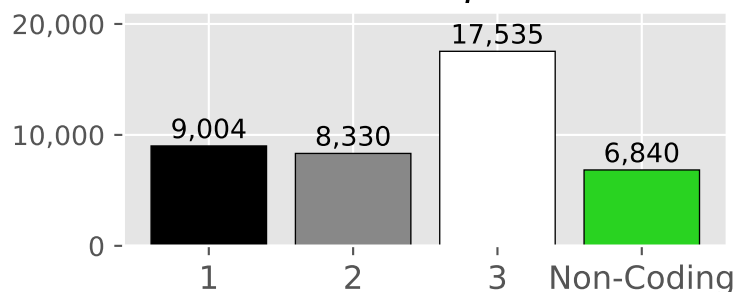
BACT2: naïve,  $p = 0.25\%$



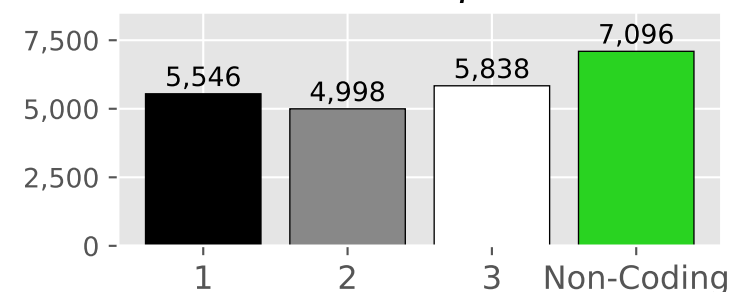
CAMP: naïve,  $p = 0.15\%$



BACT1: naïve,  $p = 0.15\%$



BACT2: naïve,  $p = 0.15\%$



Codon Position