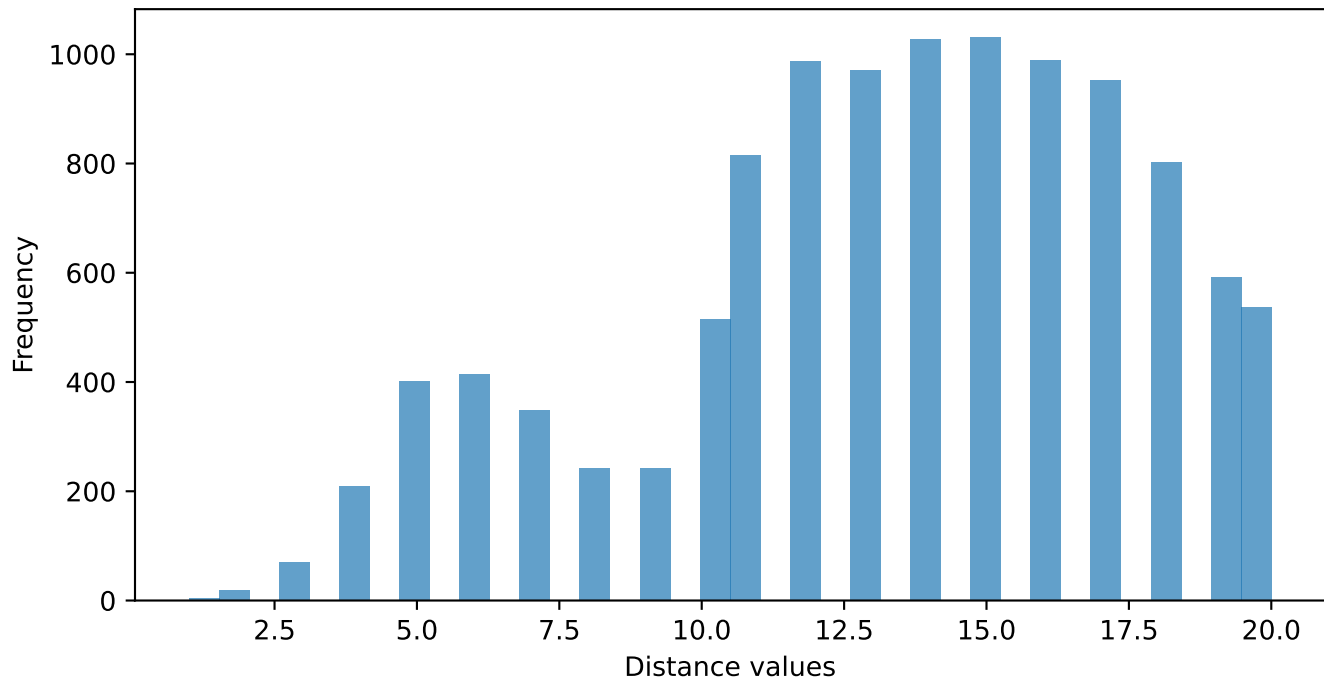
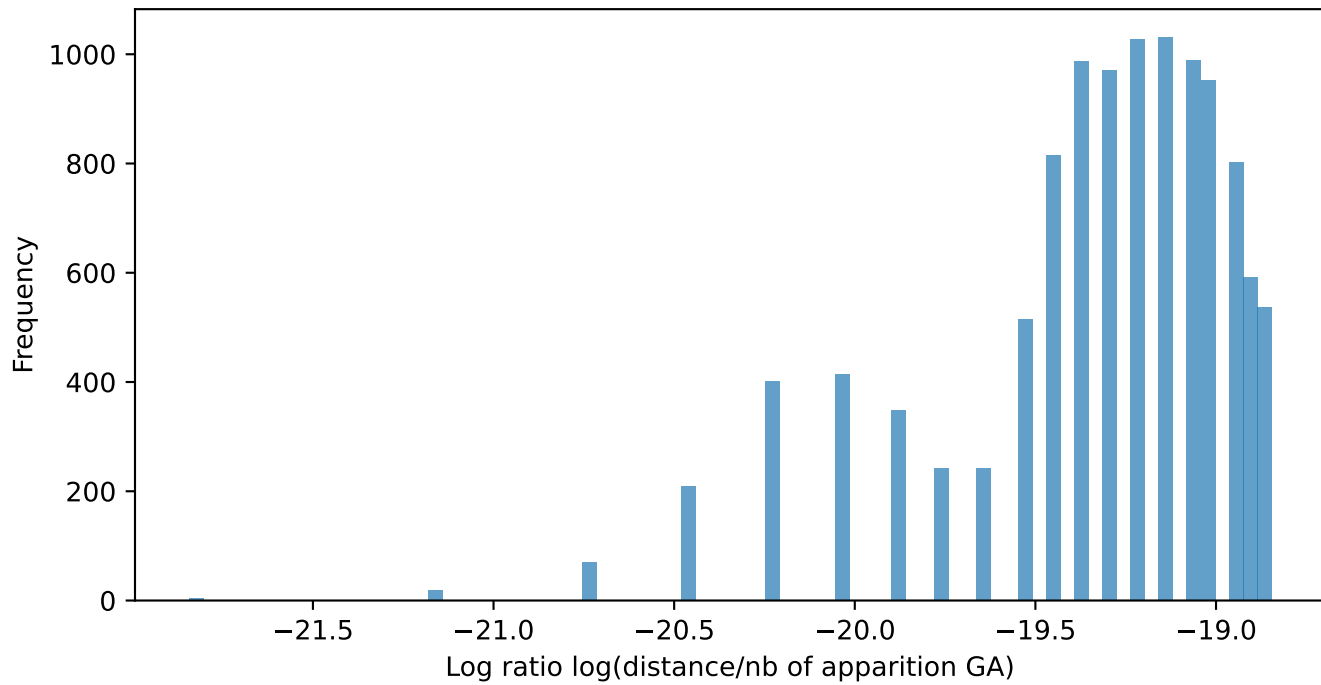


Ditribution histogram for GA



Log ratio distribution for GA



For the pairs of nucleotide : GA

■ for the distance of : 19 :

■ ■ The observed probability = 0.05305538158718798

■ ■ The reference frequency = 0.8

■ ■ The score = 2.713275424073676

■ for the distance of : 18 :

■ ■ The observed probability = 0.07175449583967075

■ ■ The reference frequency = 0.8

■ ■ The score = 2.411361215204887

■ for the distance of : 17 :

■ ■ The observed probability = 0.0852643822134741

■ ■ The reference frequency = 0.8

■ ■ The score = 2.2388549194171996

■ for the distance of : 16 :

■ ■ The observed probability = 0.08857475172228683

■ ■ The reference frequency = 0.8

■ ■ The score = 2.200764879942766

■ for the distance of : 14 :

■ ■ The observed probability = 0.09188512123109958

■ ■ The reference frequency = 0.8

■ ■ The score = 2.1640726131428436

■ for the distance of : 12 :

■ ■ The observed probability = 0.08830634338373446

■ ■ The reference frequency = 0.8

■ ■ The score = 2.2037997836379204

■ for the distance of : 11 :

■ ■ The observed probability = 0.07300706808624854

■ ■ The reference frequency = 0.8

■ ■ The score = 2.394055468107295

■ for the distance of : 9 :

■ ■ The observed probability = 0.021741075422743134

■ ■ The reference frequency = 0.8

■ ■ The score = 3.605408379730853

■ for the distance of : 7 :

■ ■ The observed probability = 0.031224836718260714

■ ■ The reference frequency = 0.8

■ ■ The score = 3.243397900868975

■ for the distance of : 15 :

■ ■ The observed probability = 0.09224299901583609

■ ■ The reference frequency = 0.8

■ ■ The score = 2.160185339054442

■ for the distance of : 20 :

■ ■ The observed probability = 0.04813456204706093

■ ■ The reference frequency = 0.8

■ ■ The score = 2.8106112629096174

■ for the distance of : 1 :

■ ■ The observed probability = 0.00035787778473651247

■ ■ The reference frequency = 0.5

■ ■ The score = 7.242171832705775

■ for the distance of : 5 :

■ ■ The observed probability = 0.035877247919835376

■ ■ The reference frequency = 0.8

■ ■ The score = 3.1045083957648325

■ for the distance of : 13 :

■ ■ The observed probability = 0.08687483224478841

■ ■ The reference frequency = 0.8

■ ■ The score = 2.220143354780077

■ for the distance of : 8 :

■ ■ The observed probability = 0.021651605976559005

■ ■ The reference frequency = 0.8

■ ■ The score = 3.6095320969147155

■ for the distance of : 10 :

■ ■ The observed probability = 0.04616623423101011

■ ■ The reference frequency = 0.8

■ ■ The score = 2.852363057589839

■ for the distance of : 2 :

■ ■ The observed probability = 0.0017893889236825623

■ ■ The reference frequency = 0.8

■ ■ The score = 6.1027375495174105

■ for the distance of : 6 :

■ ■ The observed probability = 0.03712982016641317

■ ■ The reference frequency = 0.8

■ ■ The score = 3.0701913028407035

■ for the distance of : 4 :

■ ■ The observed probability = 0.018699114252482777

■ ■ The reference frequency = 0.8

■ ■ The score = 3.756135571106591

■ for the distance of : 3 :

■ ■ The observed probability = 0.006262861232888968

■ ■ The reference frequency = 0.8

■ ■ The score = 4.8499745810220425