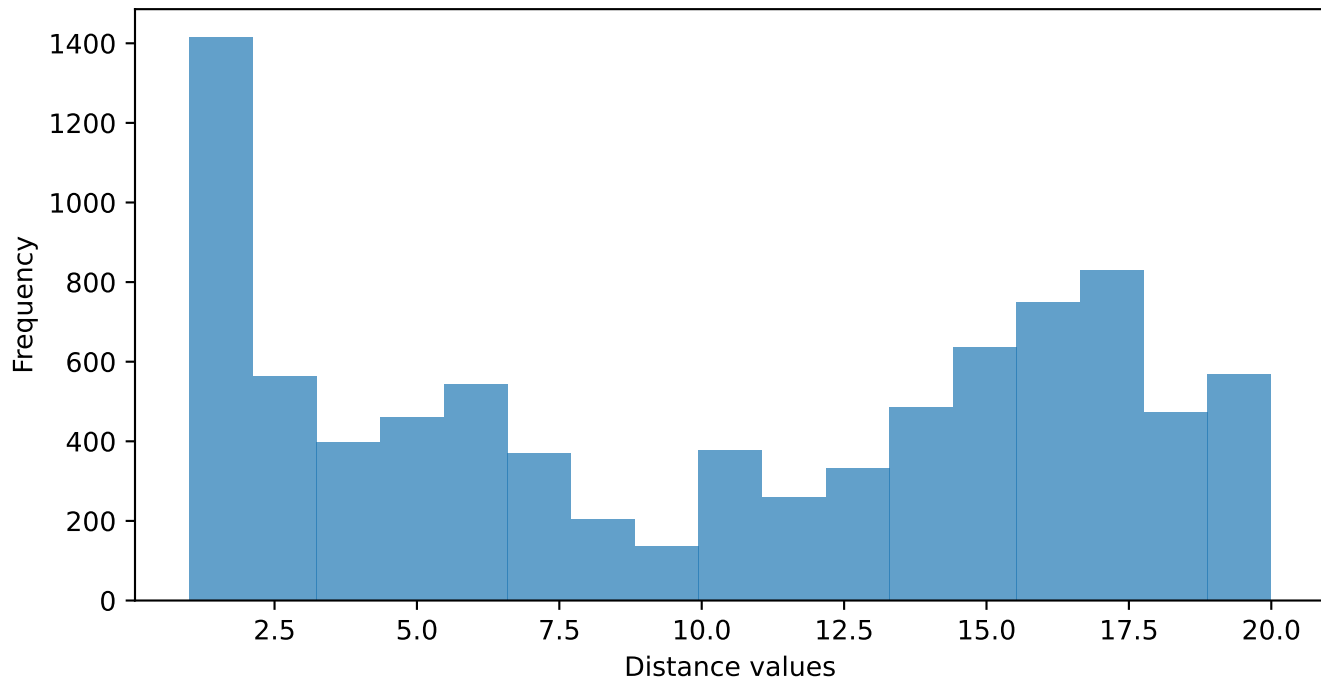
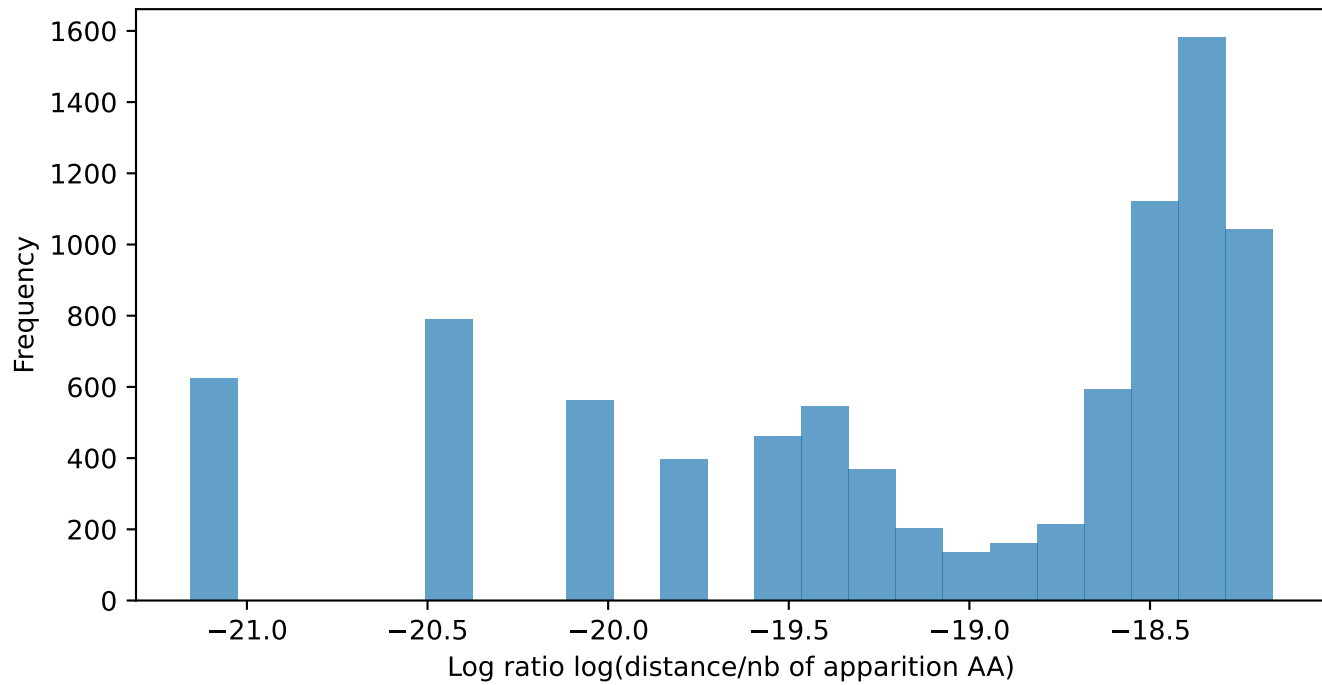


Ditribution histogram for AA



Log ratio distribution for AA



For the pairs of nucleotide : AA

■ for the distance of : 19 :

■ ■ The observed probability = 0.03301940315443096

■ ■ The reference frequency = 0.5

■ ■ The score = 2.7175127353682225

■ for the distance of : 14 :

■ ■ The observed probability = 0.055145807330080565

■ ■ The reference frequency = 0.5

■ ■ The score = 2.204627378639221

■ for the distance of : 9 :

■ ■ The observed probability = 0.01554521729263588

■ ■ The reference frequency = 0.5

■ ■ The score = 3.47085507671159

■ for the distance of : 1 :

■ ■ The observed probability = 0.07080449336207875

■ ■ The reference frequency = 0.35

■ ■ The score = 1.598010690231555

■ for the distance of : 5 :

■ ■ The observed probability = 0.05230908884602292

■ ■ The reference frequency = 0.5

■ ■ The score = 2.2574379595430667

■ for the distance of : 11 :

■ ■ The observed probability = 0.024509247702258027

■ ■ The reference frequency = 0.5

■ ■ The score = 3.01555759485555

■ for the distance of : 8 :

■ ■ The observed probability = 0.023261091569272665

■ ■ The reference frequency = 0.5

■ ■ The score = 3.067826023401307

■ for the distance of : 2 :

■ ■ The observed probability = 0.08975377283558379

■ ■ The reference frequency = 0.5

■ ■ The score = 1.7175380347720612

■ for the distance of : 6 :

■ ■ The observed probability = 0.0618404629524566

■ ■ The reference frequency = 0.5

■ ■ The score = 2.090050207876471

■ for the distance of : 20 :

■ ■ The observed probability = 0.03154430954272098

■ ■ The reference frequency = 0.5

■ ■ The score = 2.763214888849078

■ for the distance of : 16 :

■ ■ The observed probability = 0.08521502326109157

■ ■ The reference frequency = 0.5

■ ■ The score = 1.7694303507755804

■ for the distance of : 10 :

■ ■ The observed probability = 0.01838193577669352

■ ■ The reference frequency = 0.5

■ ■ The score = 3.303239667307331

■ for the distance of : 17 :

■ ■ The observed probability = 0.09429252241007602

■ ■ The reference frequency = 0.5

■ ■ The score = 1.668206207684267

■ for the distance of : 12 :

■ ■ The observed probability = 0.02938840349483717

■ ■ The reference frequency = 0.5

■ ■ The score = 2.8340079408401775

■ for the distance of : 4 :

■ ■ The observed probability = 0.045160558266197665

■ ■ The reference frequency = 0.5

■ ■ The score = 2.4043839972552776

■ for the distance of : 15 :

■ ■ The observed probability = 0.07227958697378872

■ ■ The reference frequency = 0.5

■ ■ The score = 1.9340663469675519

■ for the distance of : 13 :

■ ■ The observed probability = 0.0378985589470101

■ ■ The reference frequency = 0.5

■ ■ The score = 2.579695009563015

■ for the distance of : 3 :

■ ■ The observed probability = 0.0638829002609781

■ ■ The reference frequency = 0.5

■ ■ The score = 2.0575563744000247

■ for the distance of : 7 :

■ ■ The observed probability = 0.0419834335640531

■ ■ The reference frequency = 0.5

■ ■ The score = 2.477332996901445

■ for the distance of : 18 :

■ ■ The observed probability = 0.05378418245773289

■ ■ The reference frequency = 0.5

■ ■ The score = 2.229628680844639