library(adespatial)

Diss<-TBI(historic, current, method = "jaccard", [pa.tr](https://can01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fpa.tr%2F&data=05%7C02%7CCindy.Chu%40dfo-mpo.gc.ca%7C1421c39cc07041578b4e08dca519390a%7C1594fdaea1d94405915d011467234338%7C0%7C0%7C638566774985734167%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=gW5n2wHQ1AZ8K6a%2BeuE9goxsXYKQGWklanH4pBKuoAo%3D&reserved=0)=T,  nperm = 3999, BCD = T, replace = FALSE, test.BC = T, test.t.perm = T)

##Inputs

#historic = historic (native) spp x hydrobasin matrix

#current = current (native+non-native) spp x hydrobasin matrix

##In the output

#Diss$TBI = Jaccard dissimilarity

#Diss$p.TBI = Significance of Jaccard dissimilarity

## To calculate FBCI (i.e., Jaccard similarity = 1 -  Jaccard dissimilarity)

FBCI = 1 - Diss$TBI