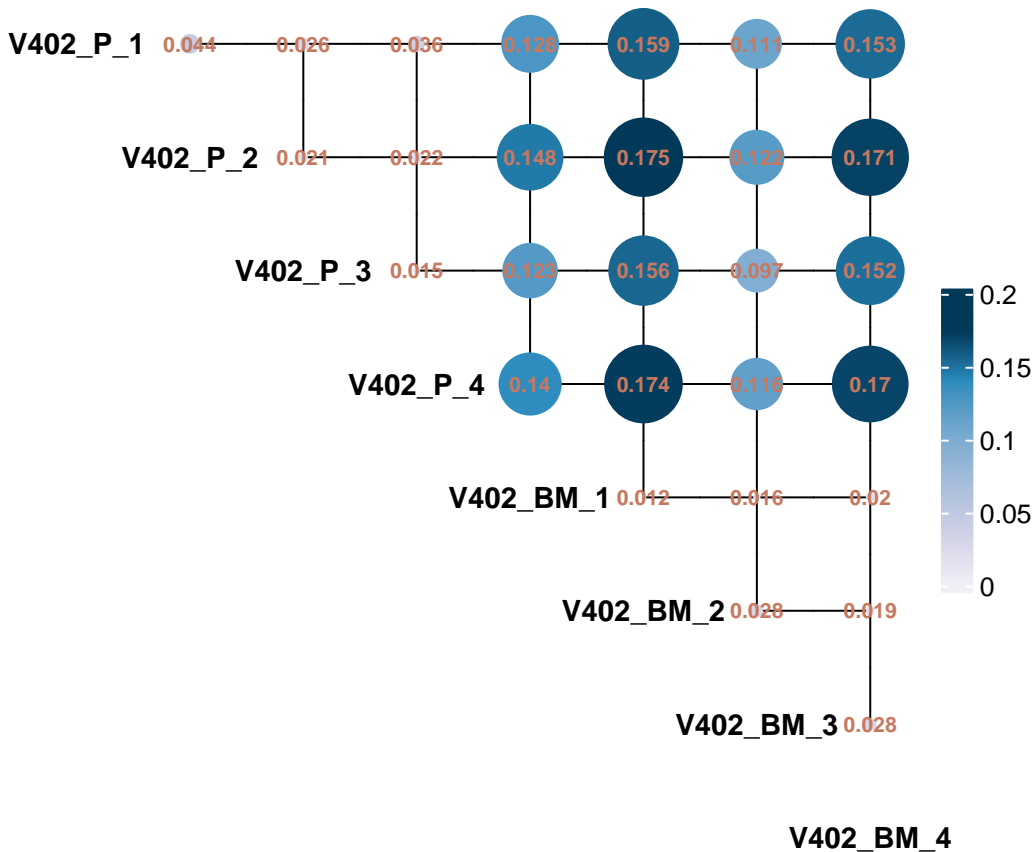
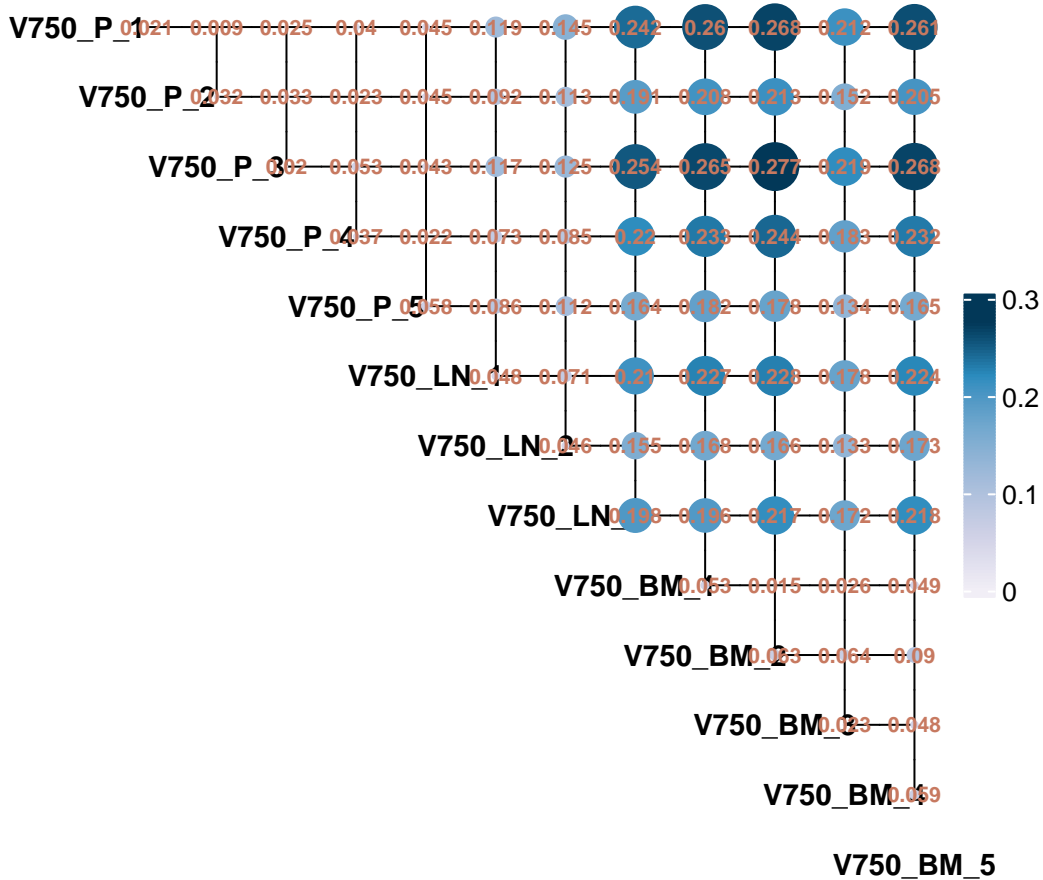


**Fst of patient V402: 0.092**



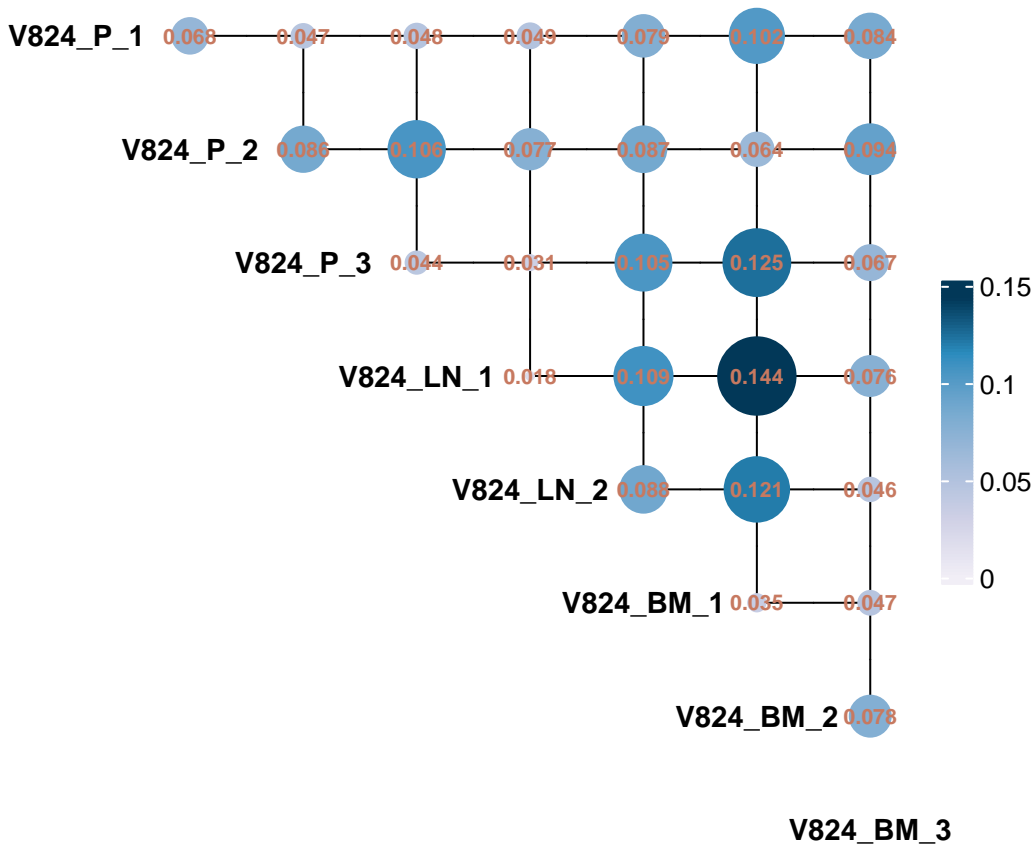
help("calEst")

**Fst of patient V750: 0.1349**



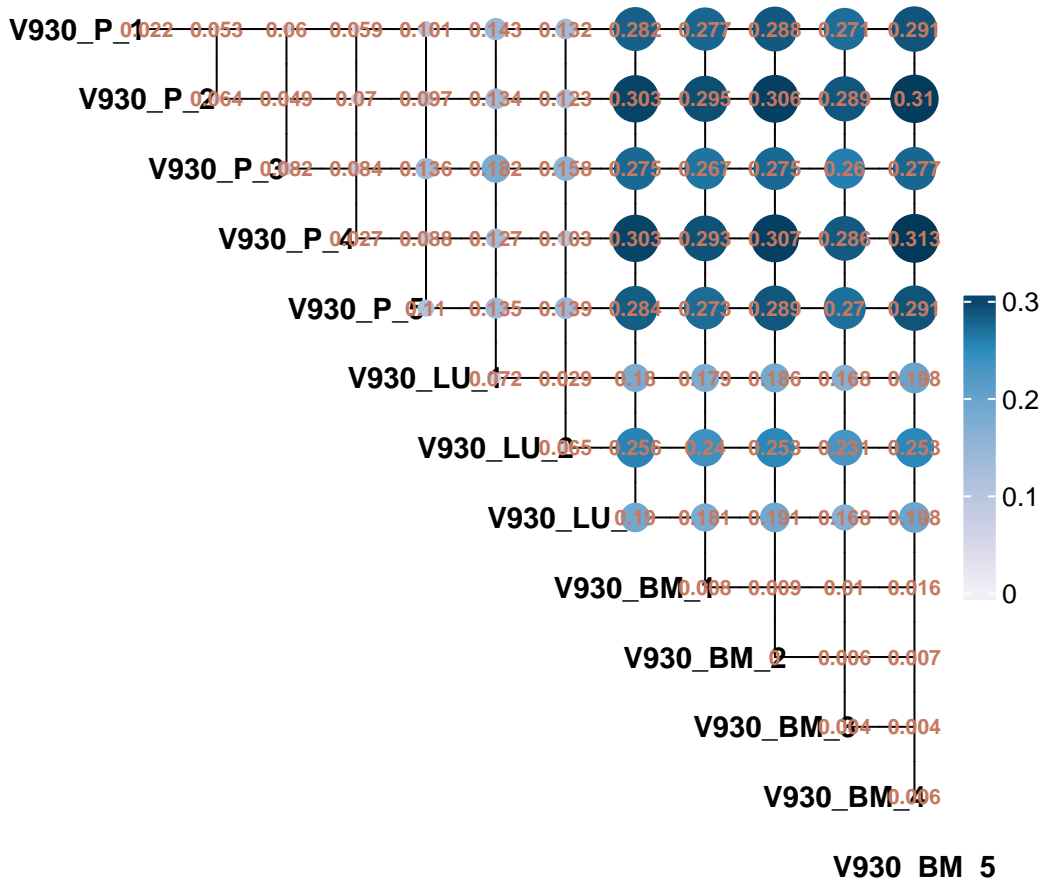
help("calEst")

**Fst of patient V824: 0.076**



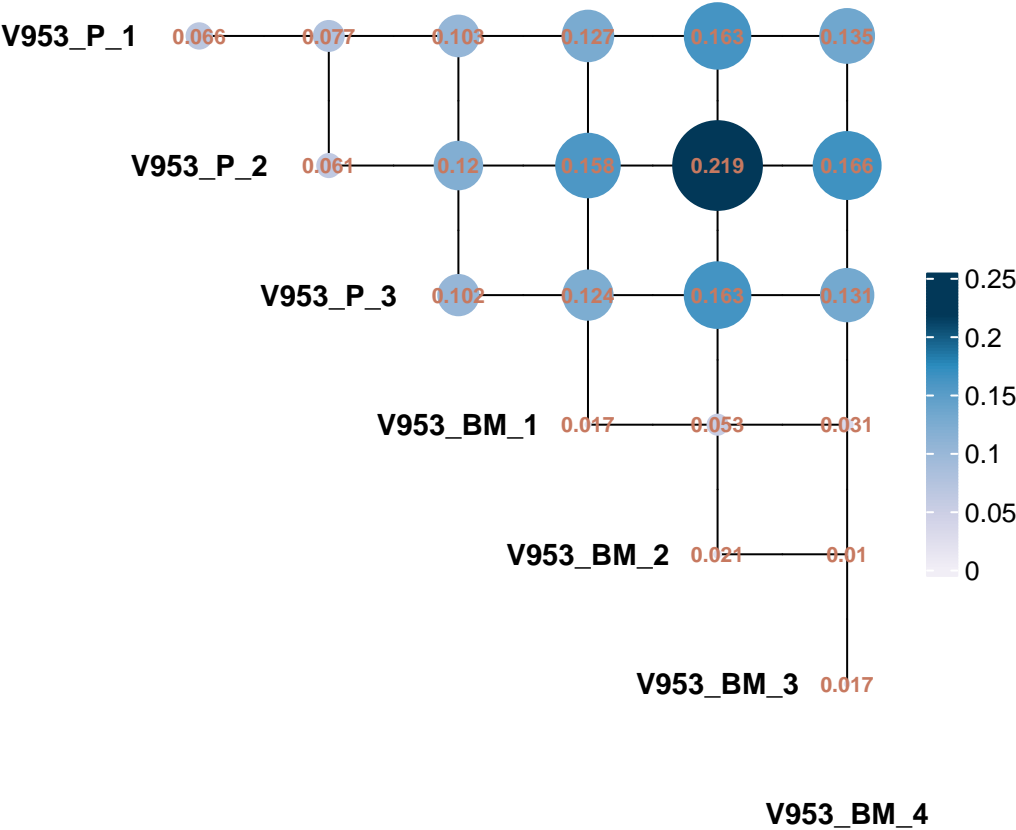
help("calEst")

**Fst of patient V930: 0.166223**

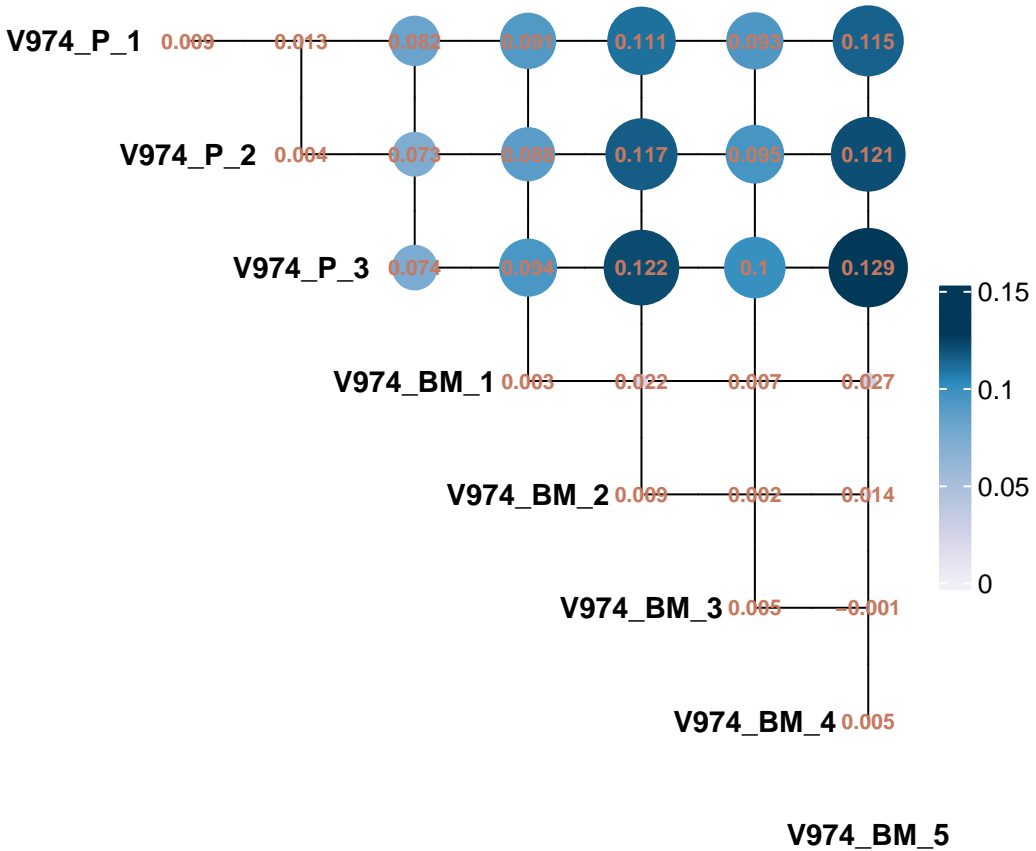


help("calEst")

Fst of patient V953: 0.0983

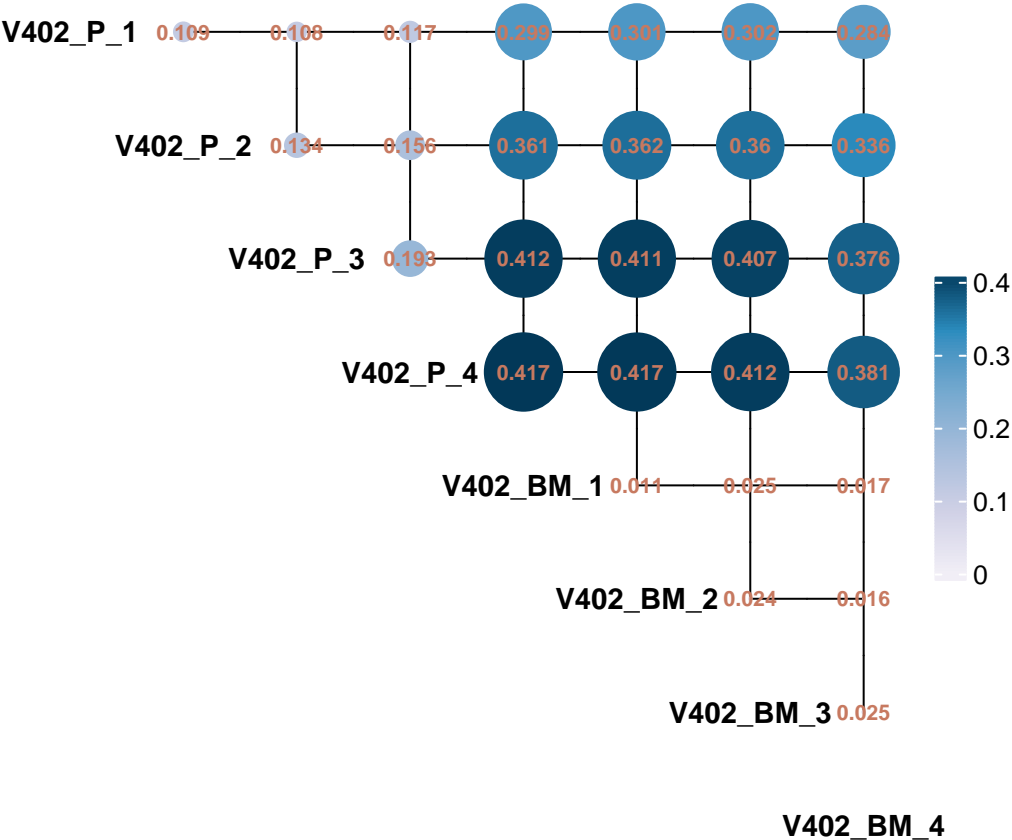


**Fst of patient V974: 0.0579**



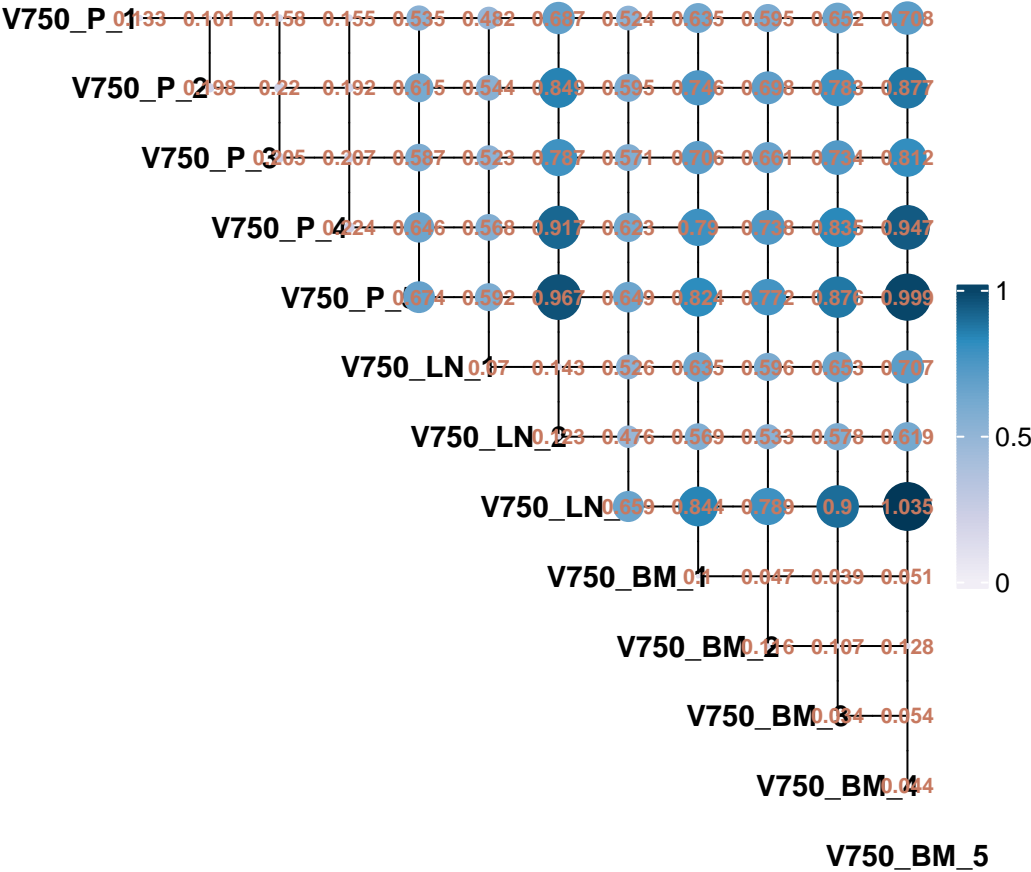
help("calEst")

Nei's distance of patient V402: 0.242



help("calNeiDist")

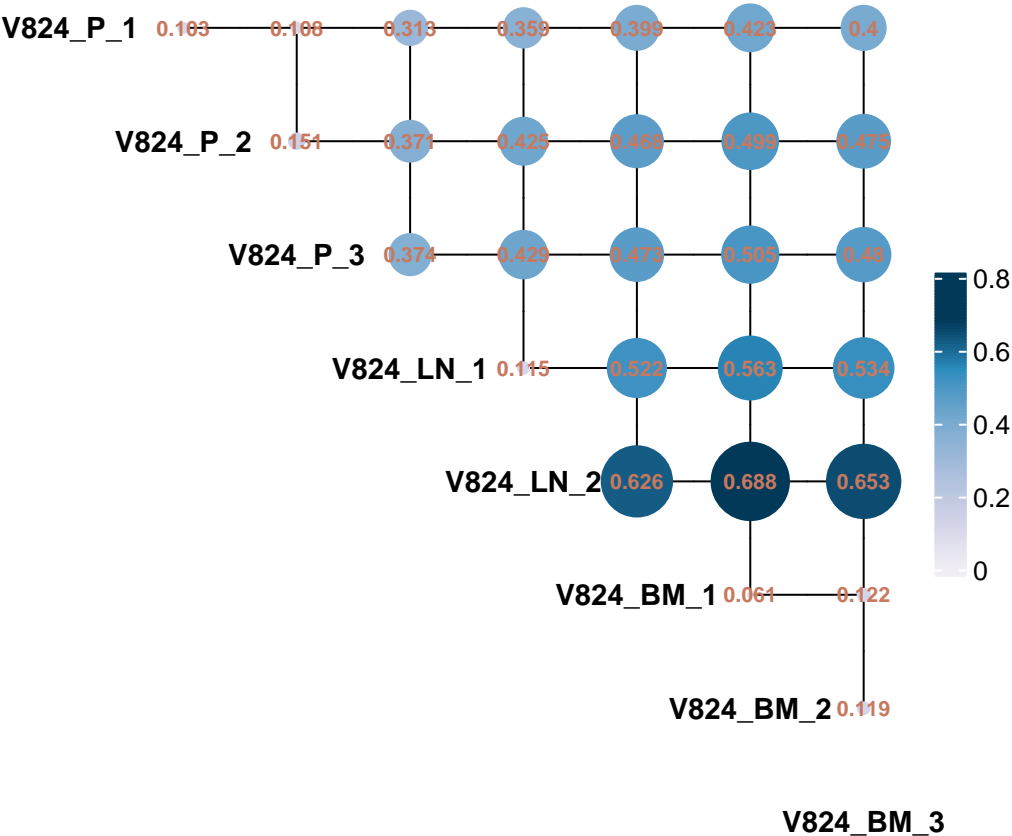
Nei's distance of patient V750: 0.529



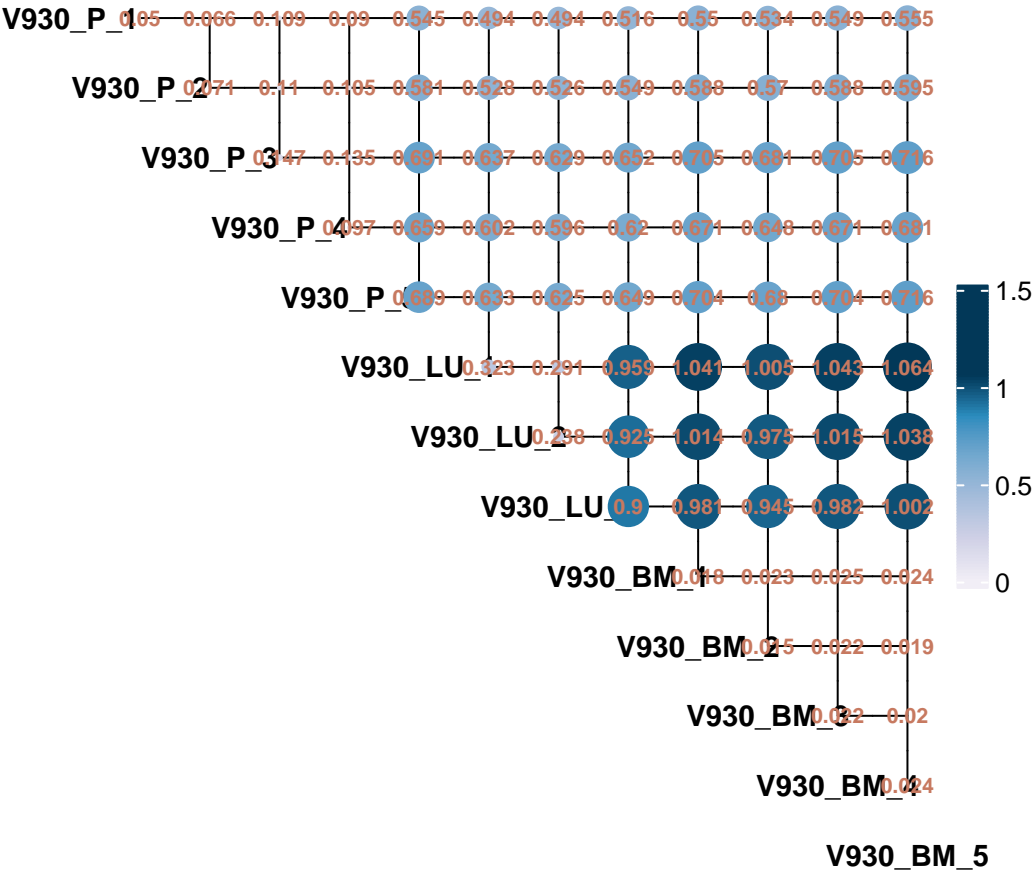
help("calNeiDist")



Nei's distance of patient V824: 0.384

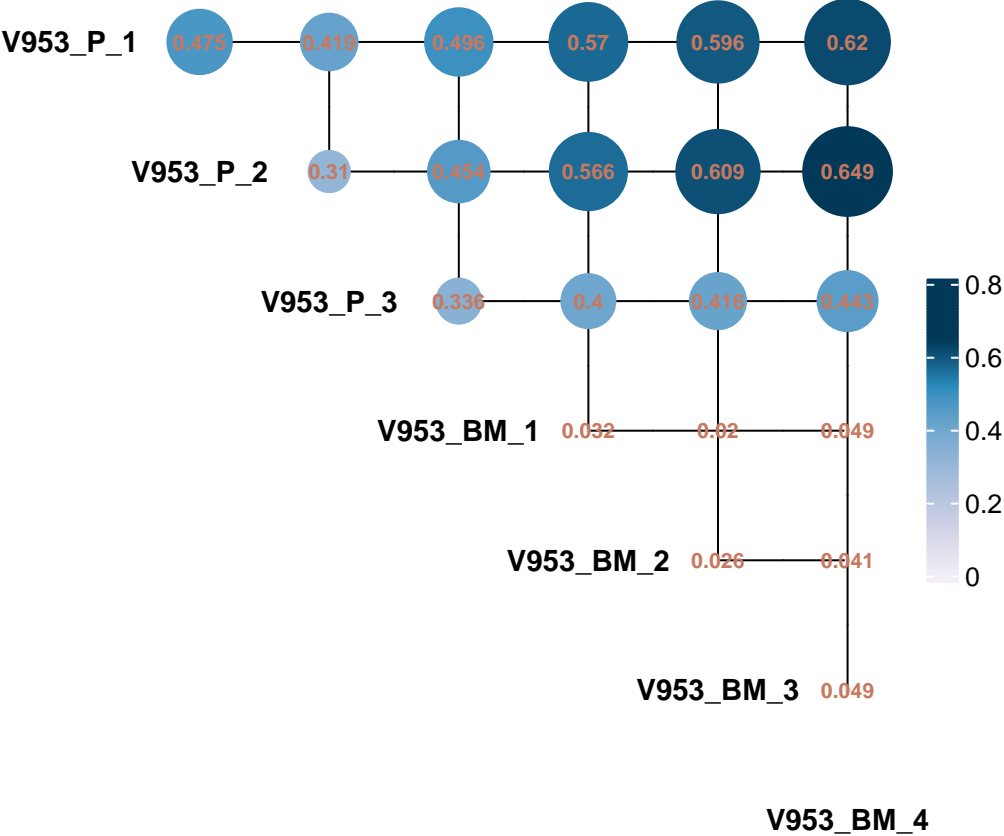


Nei's distance of patient V930: 0.534

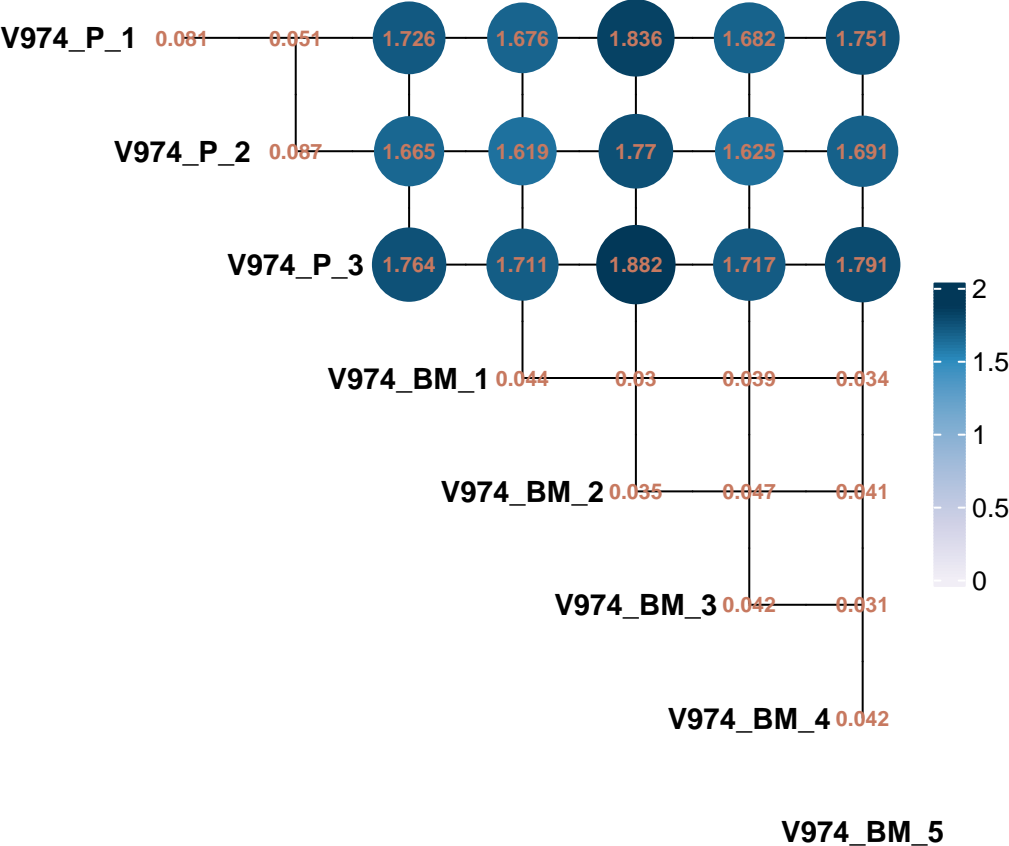


help("calNeiDist")

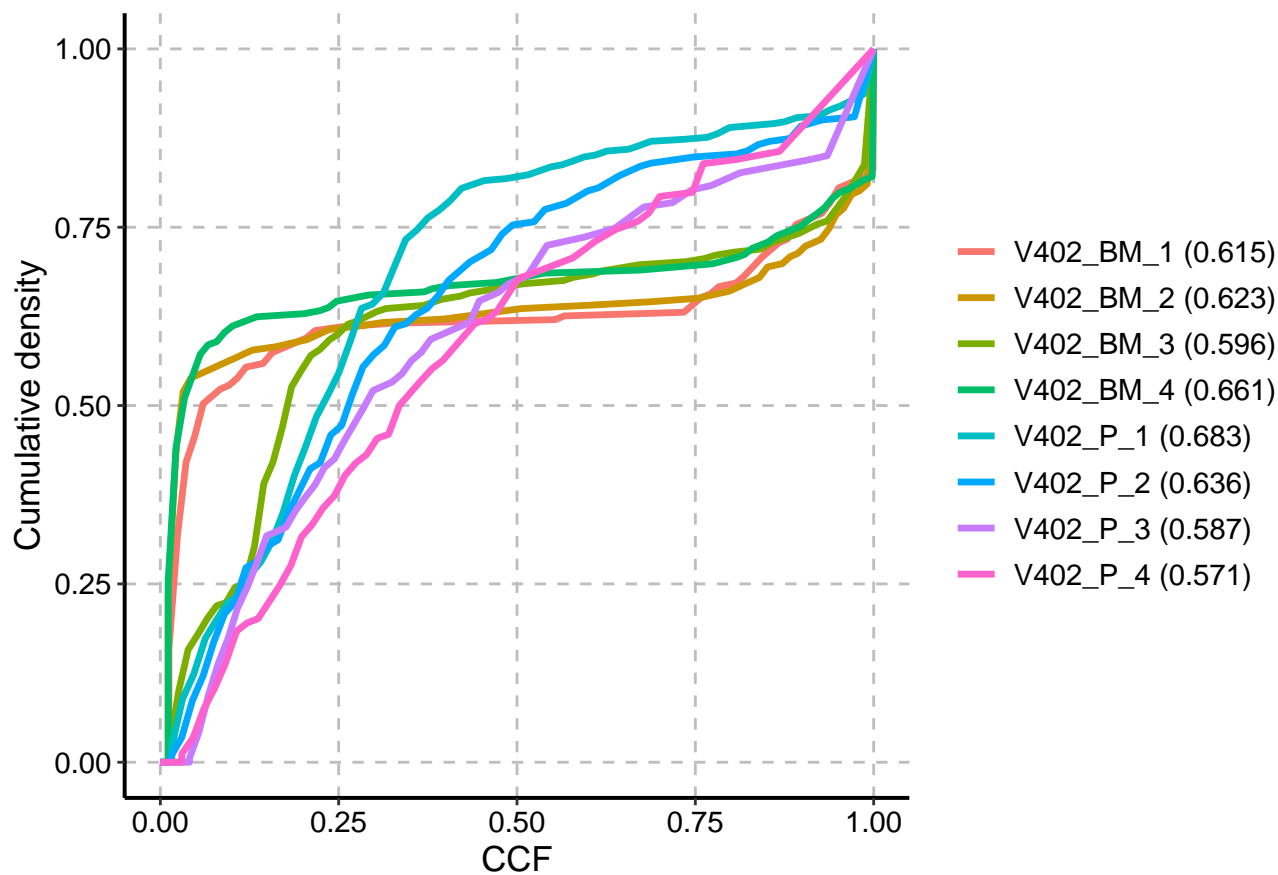
Nei's distance of patient V953: 0.361

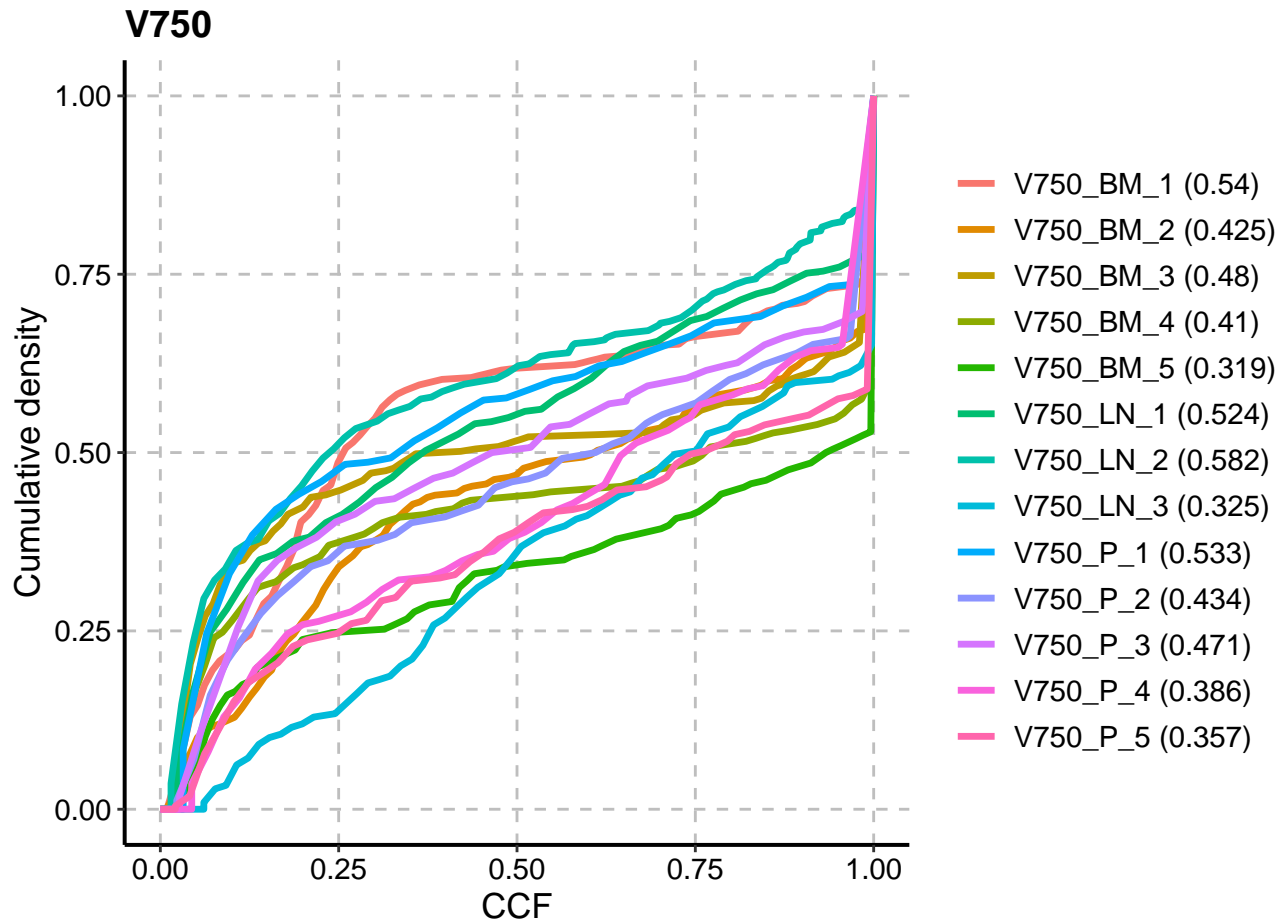


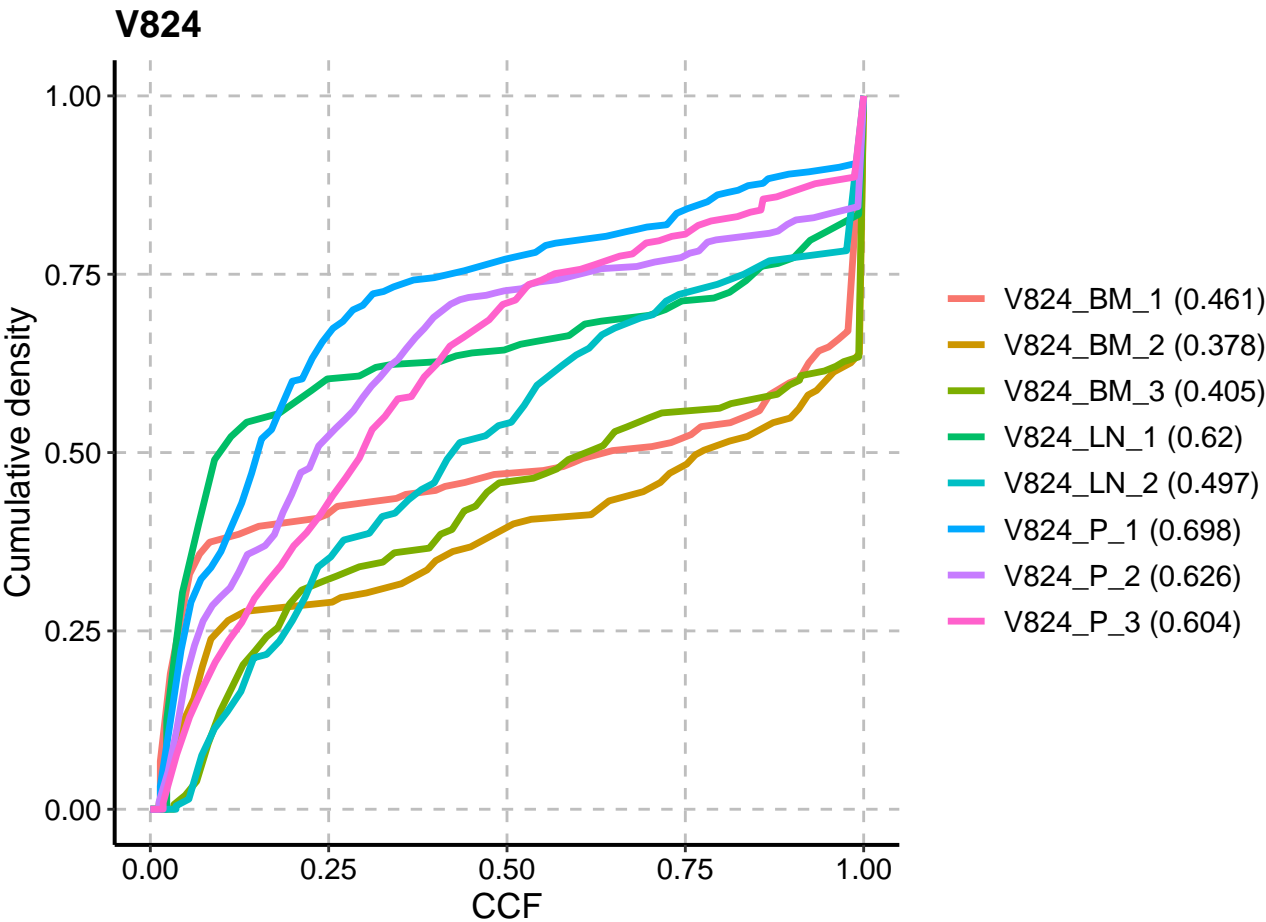
Nei's distance of patient V974: 0.947

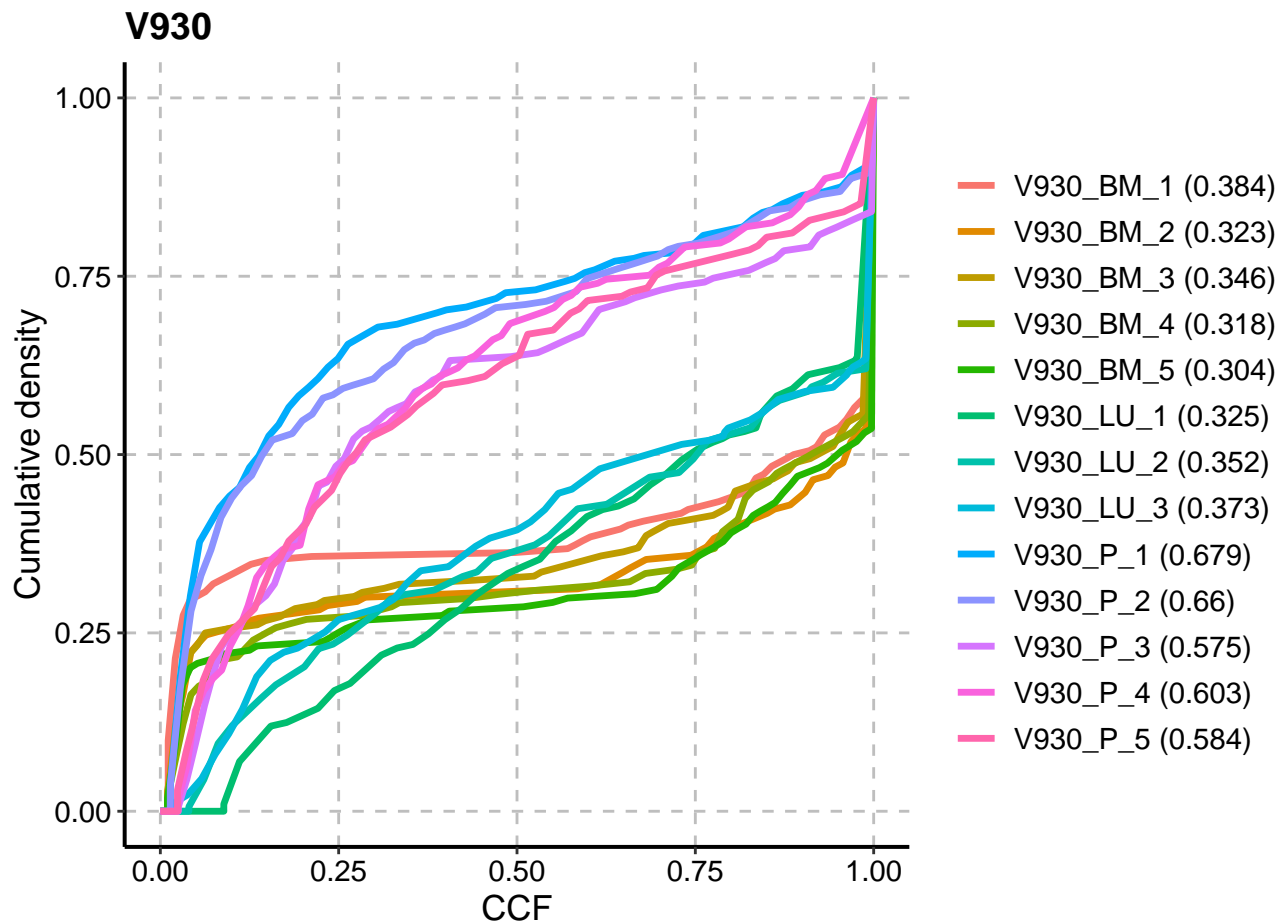


V402

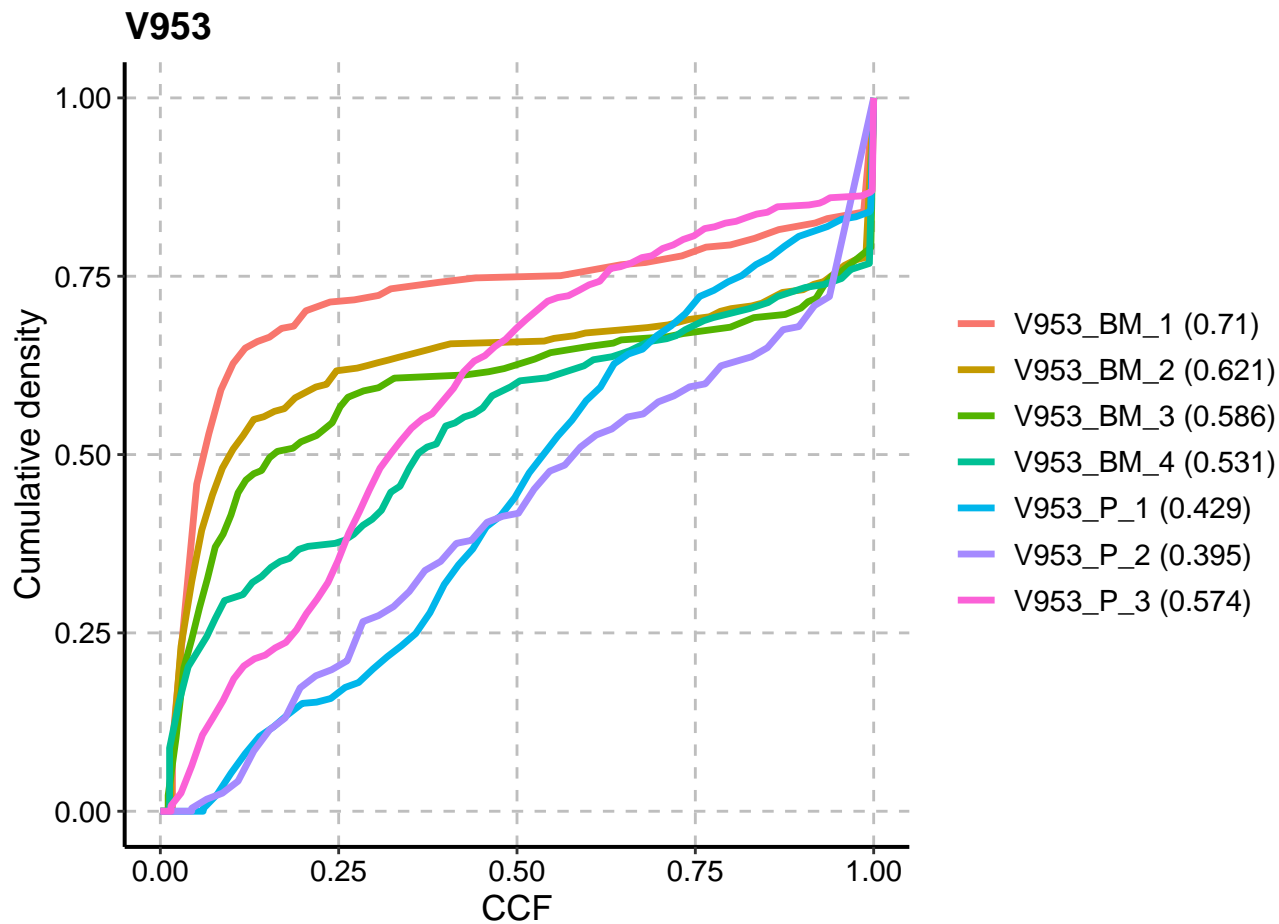




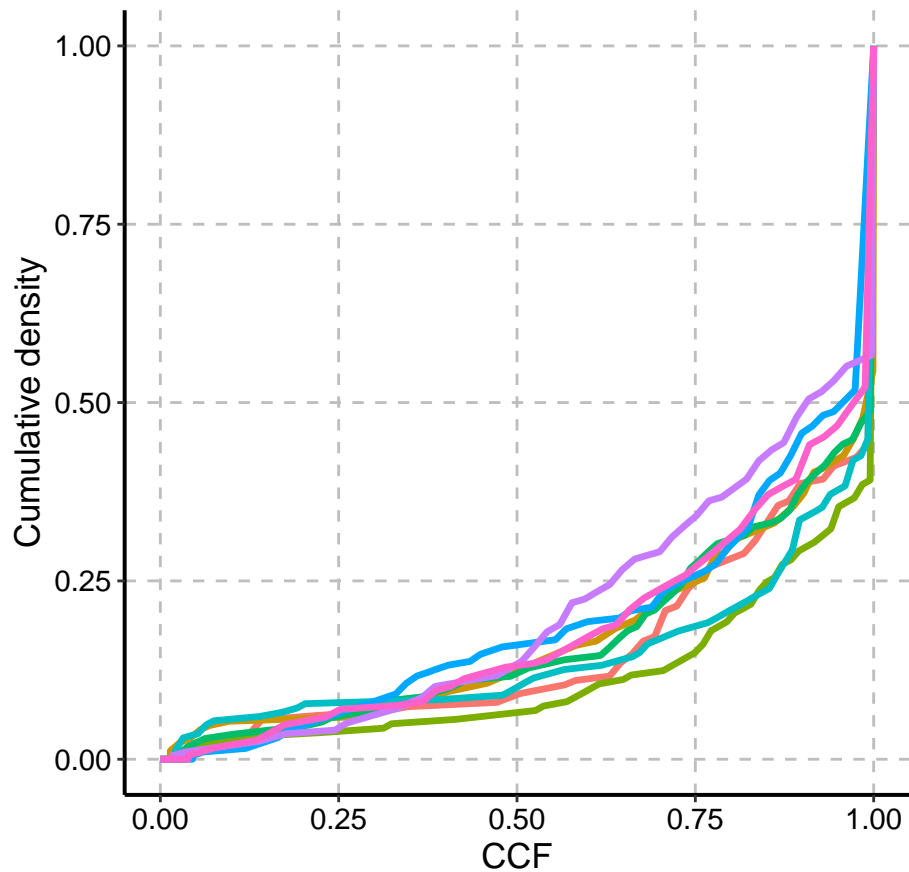




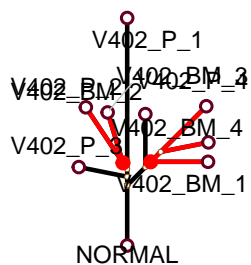




V974

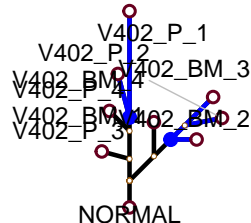


tree1: V402–NJ

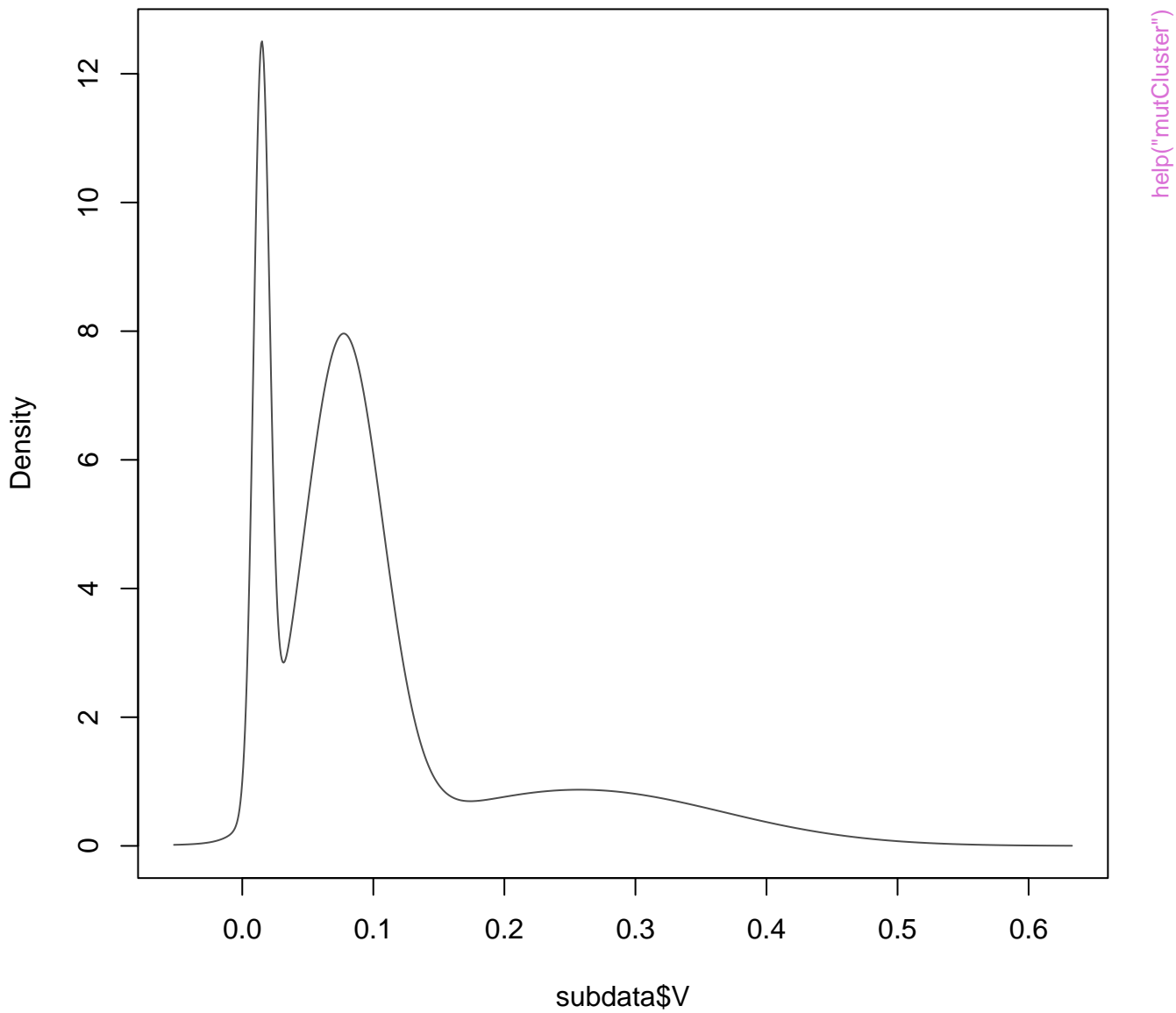


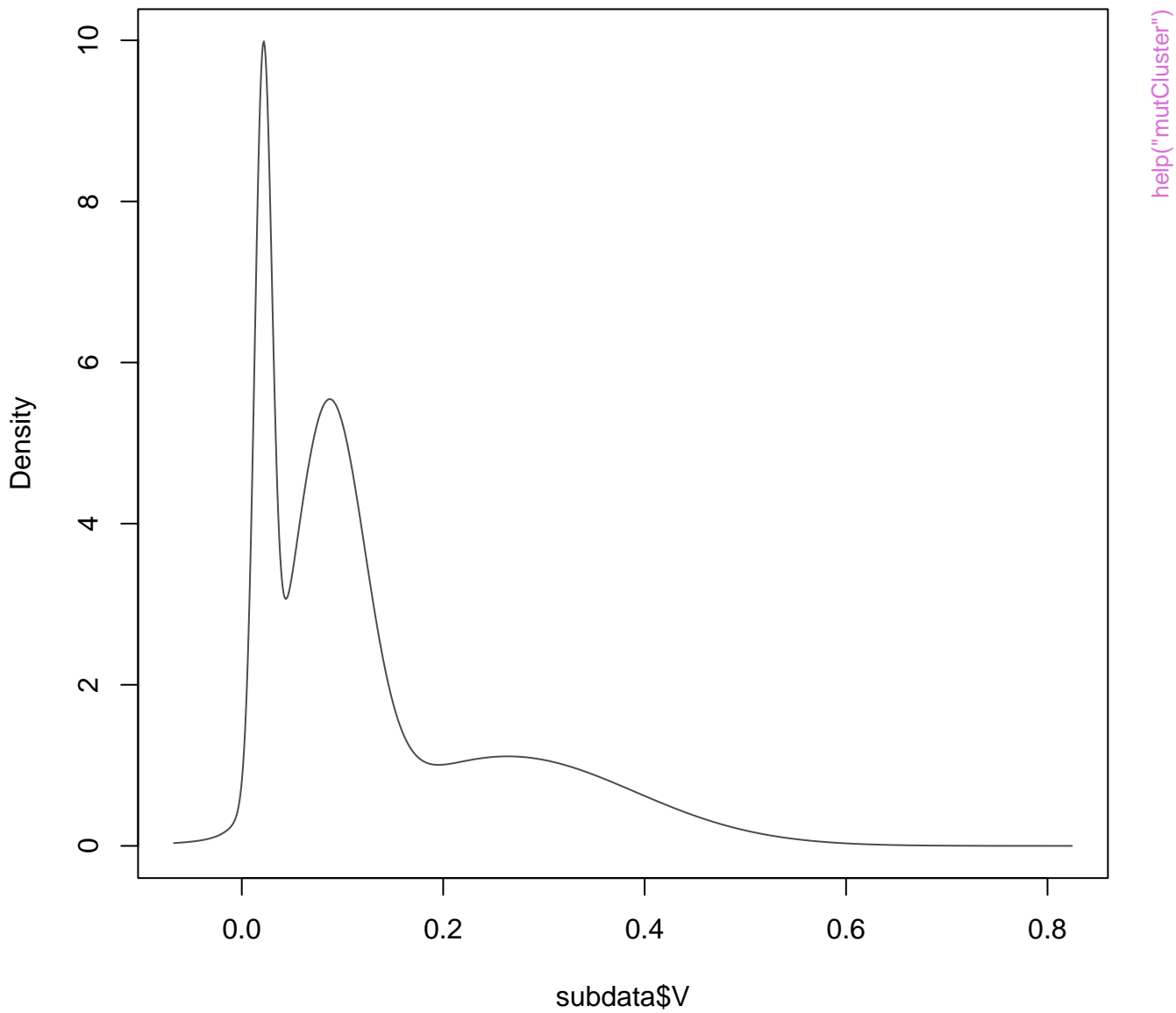
● Clades absent in tree2

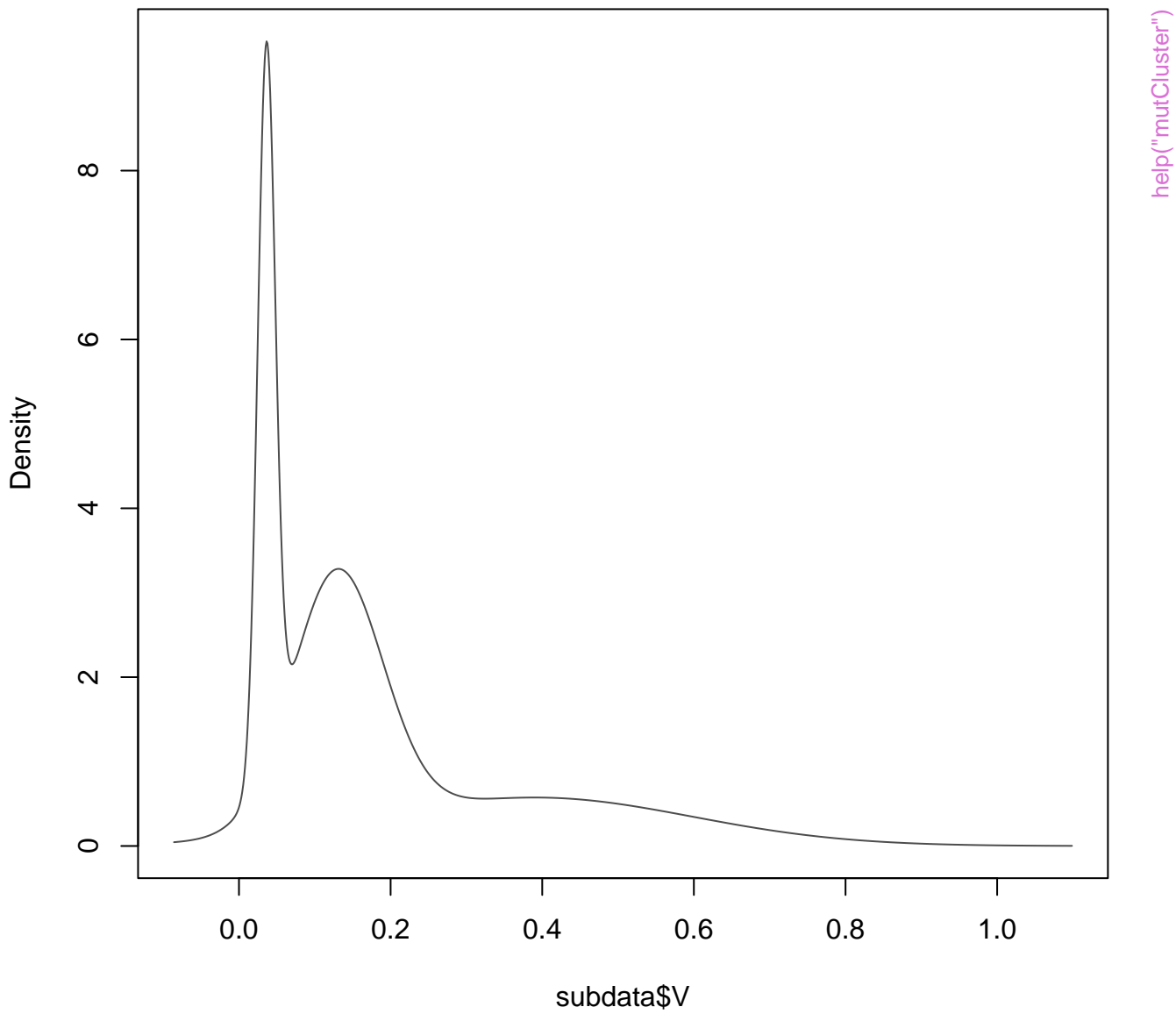
tree2: V402–MP

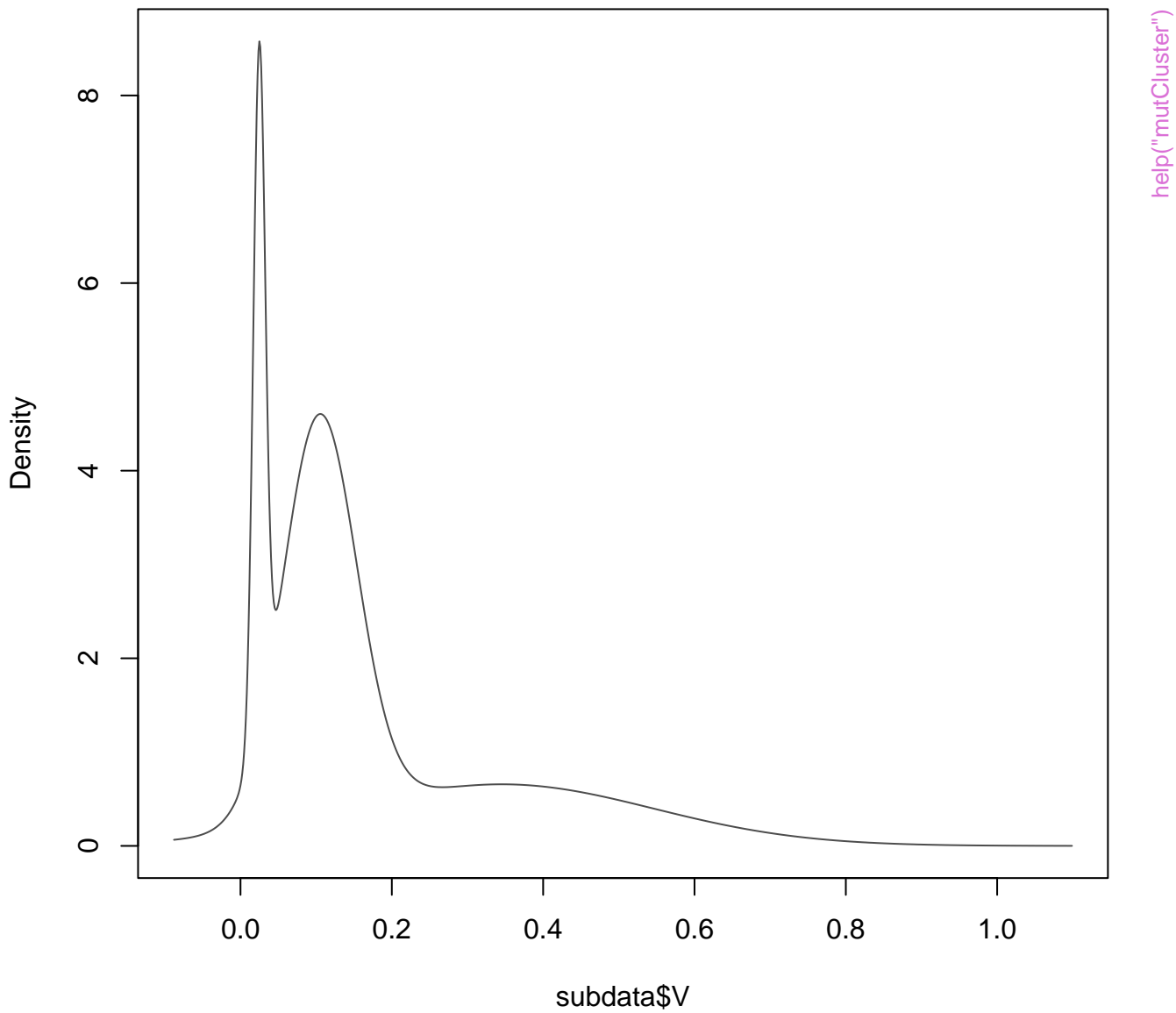


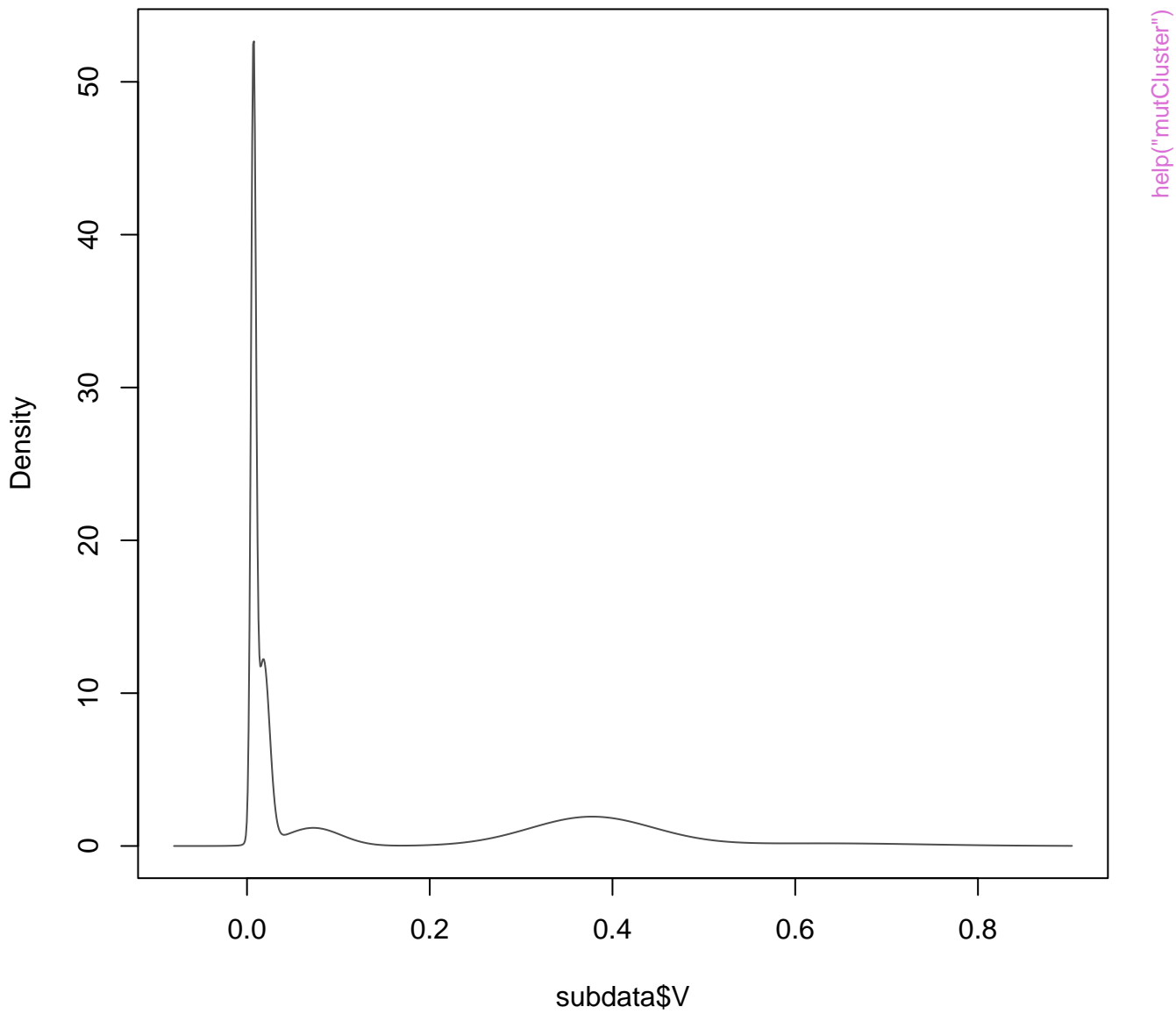
● Clades absent in tree1



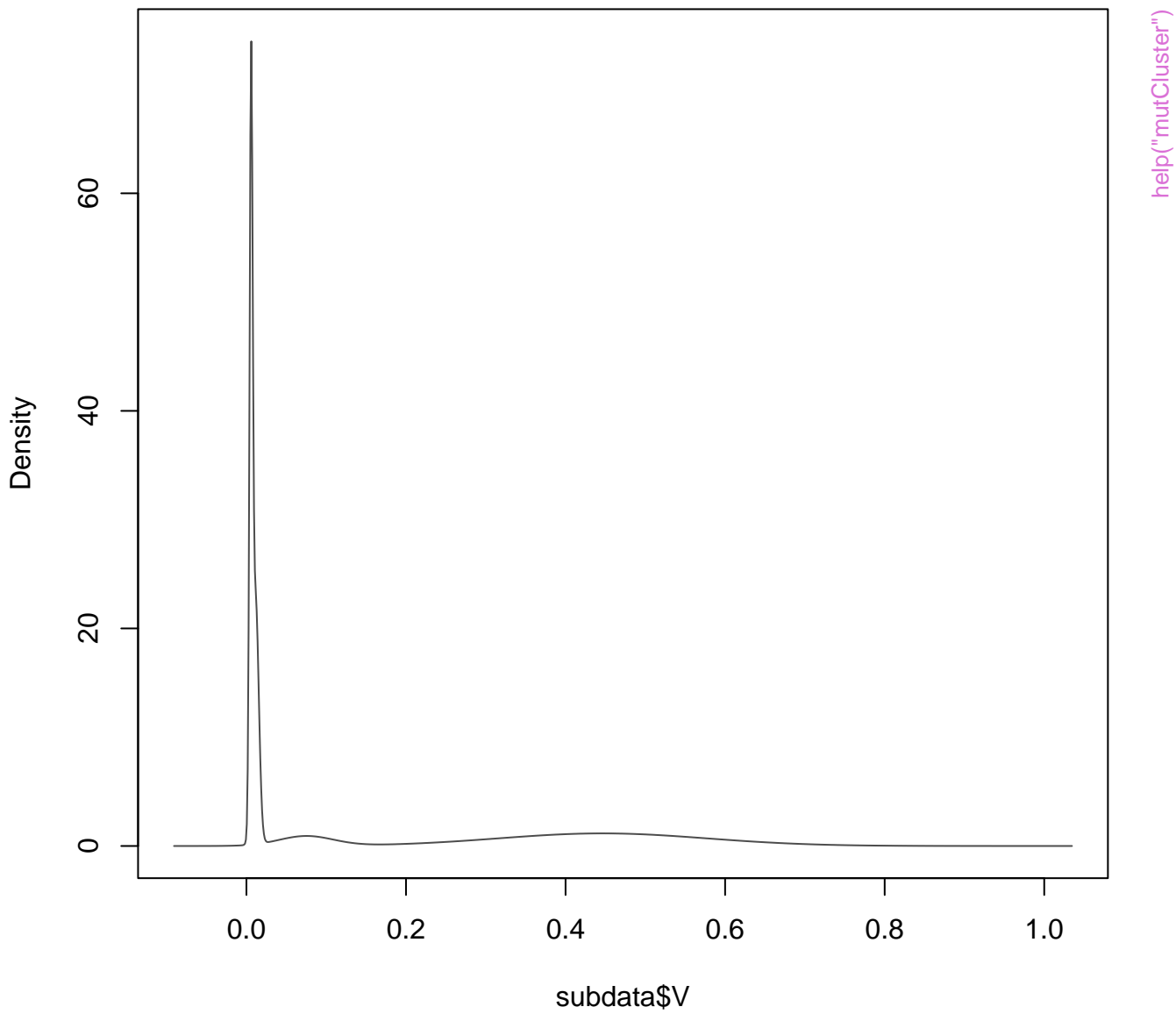


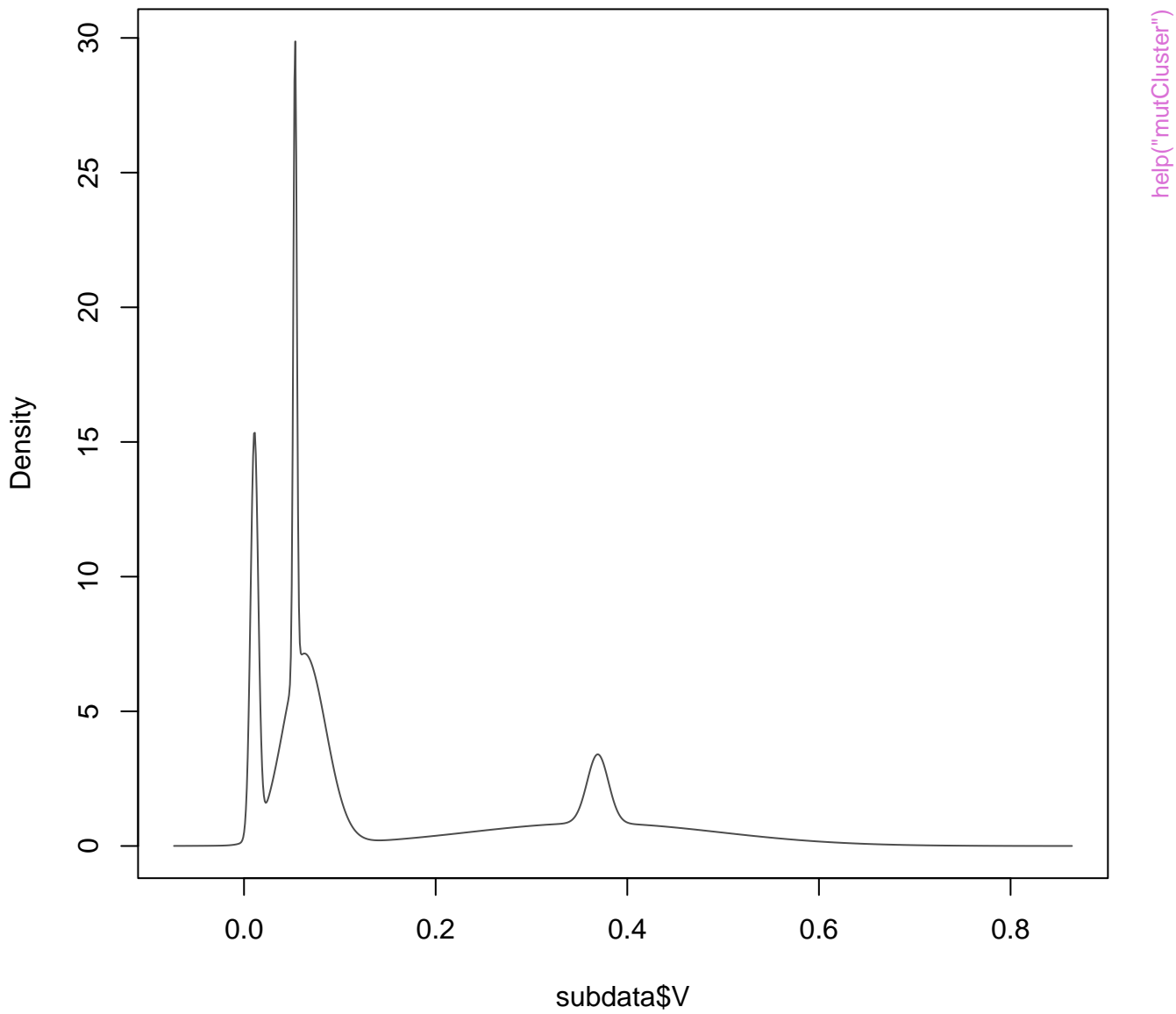


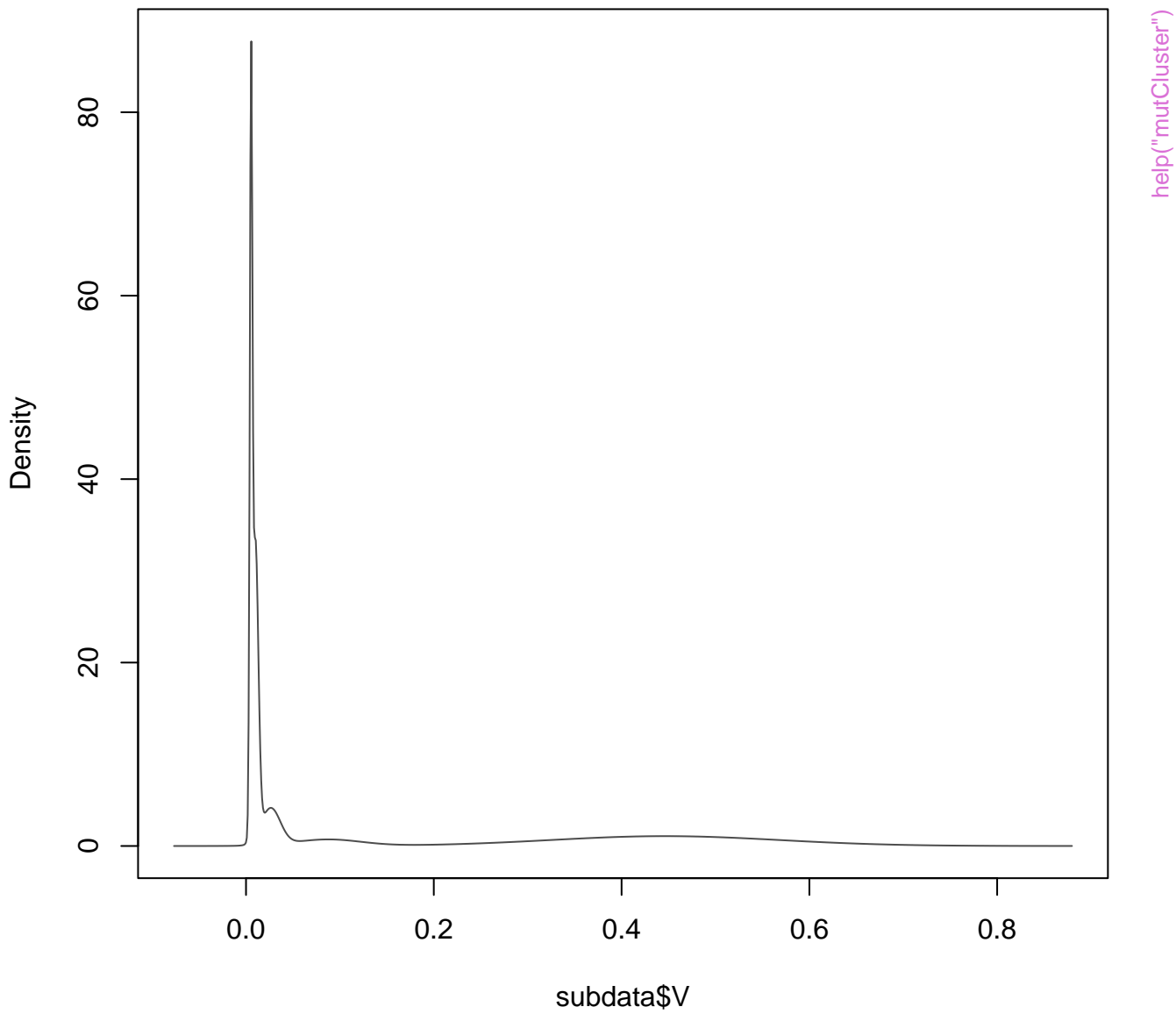




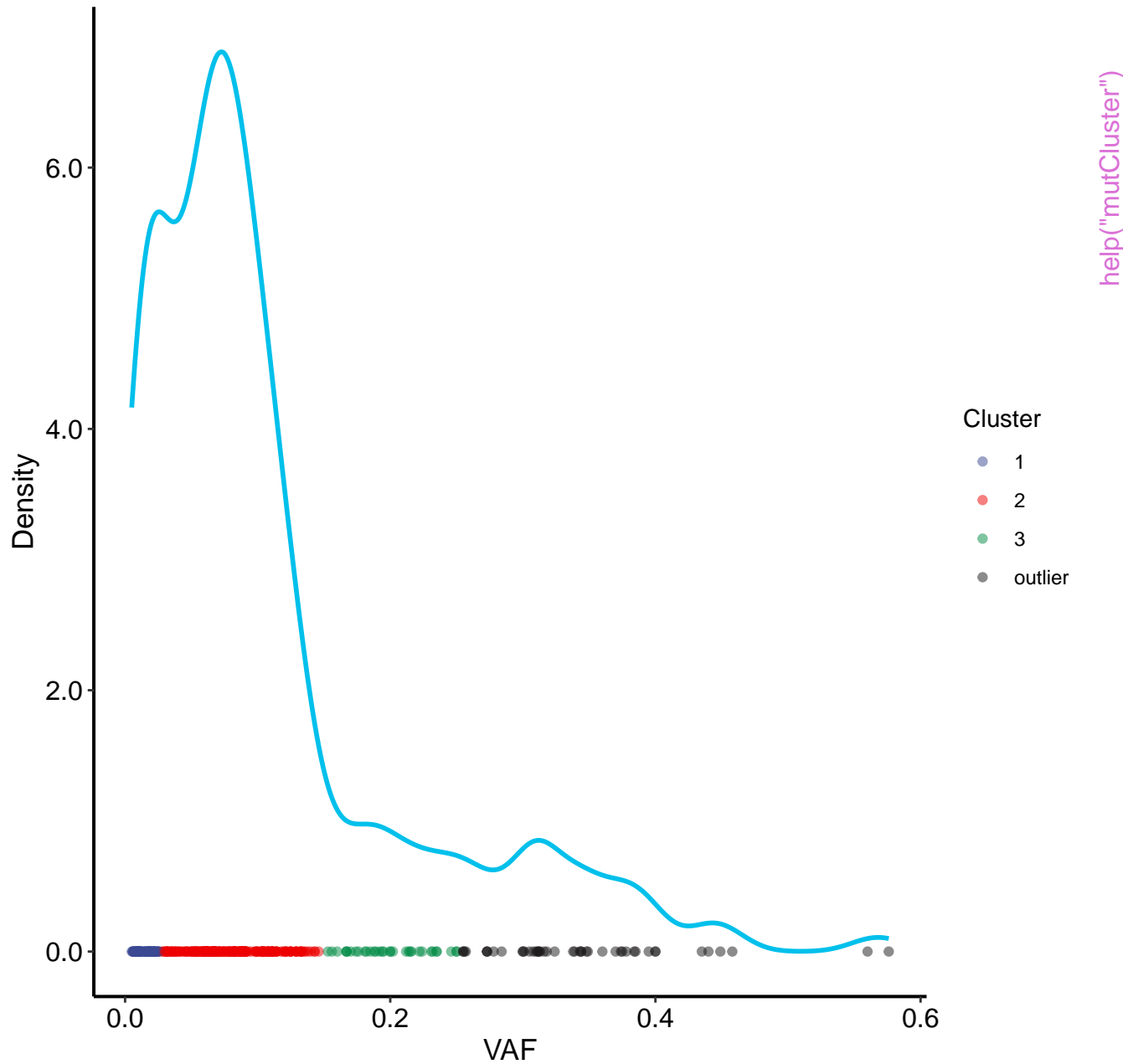




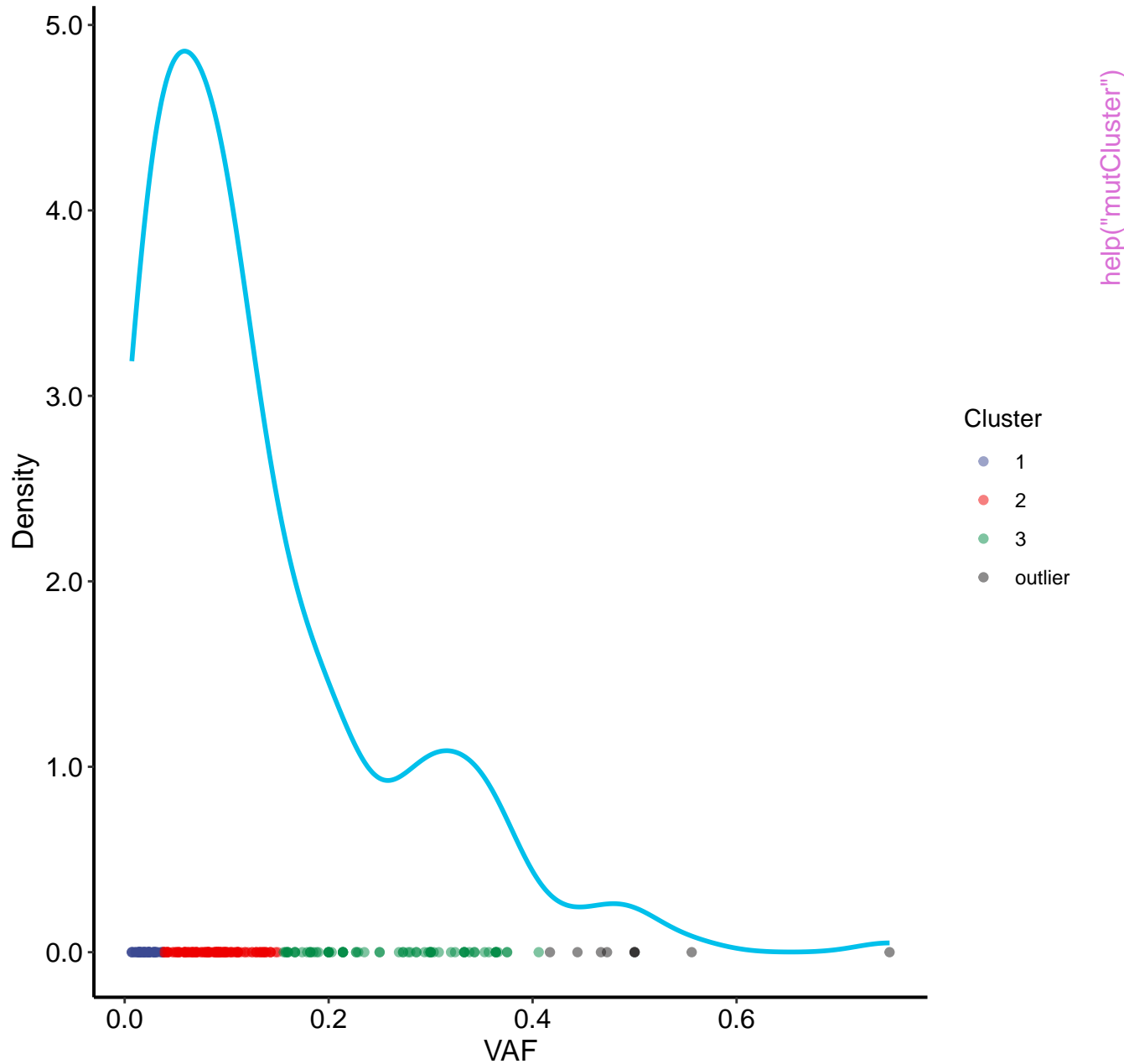




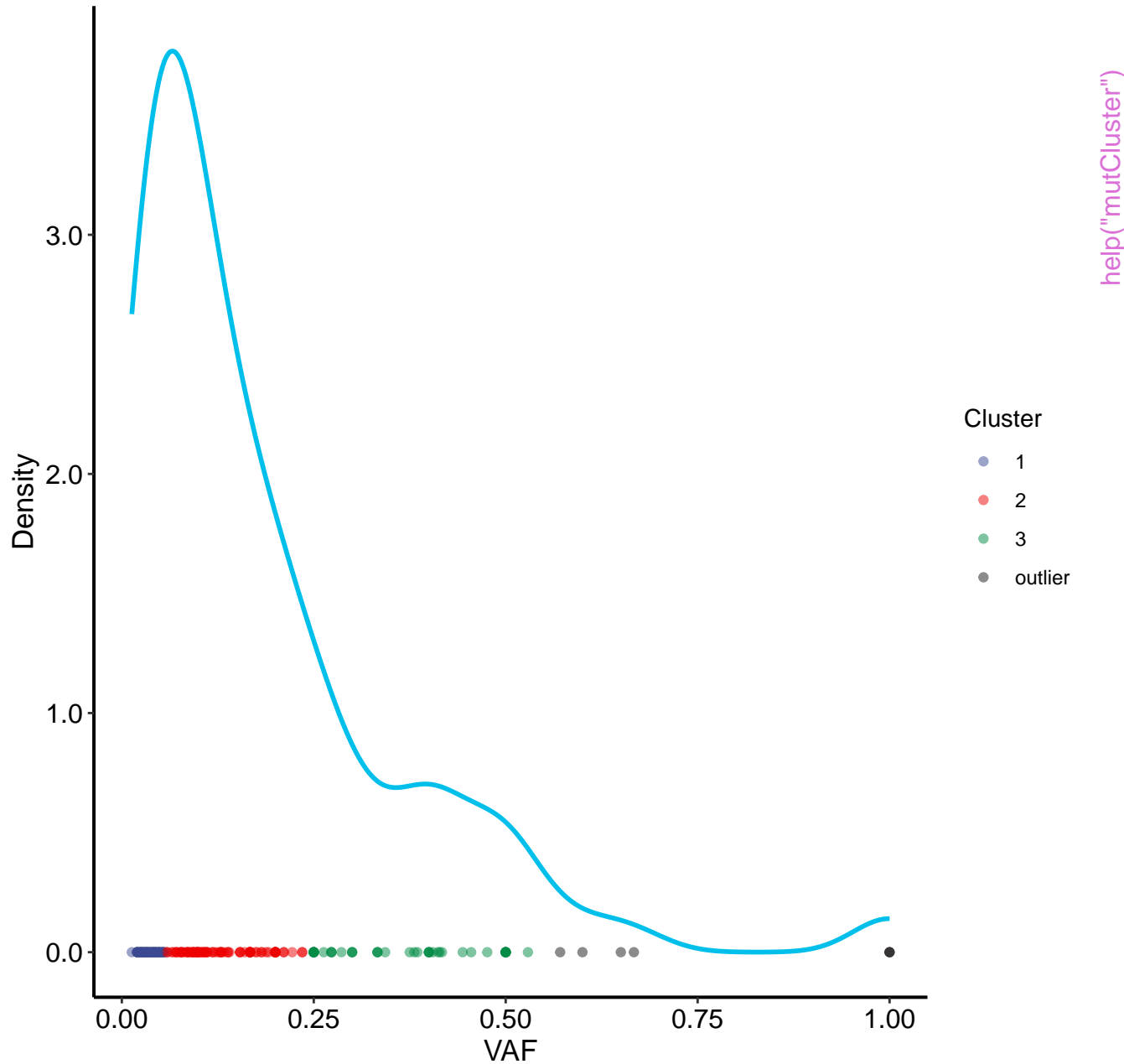
V402: V402\_P\_1



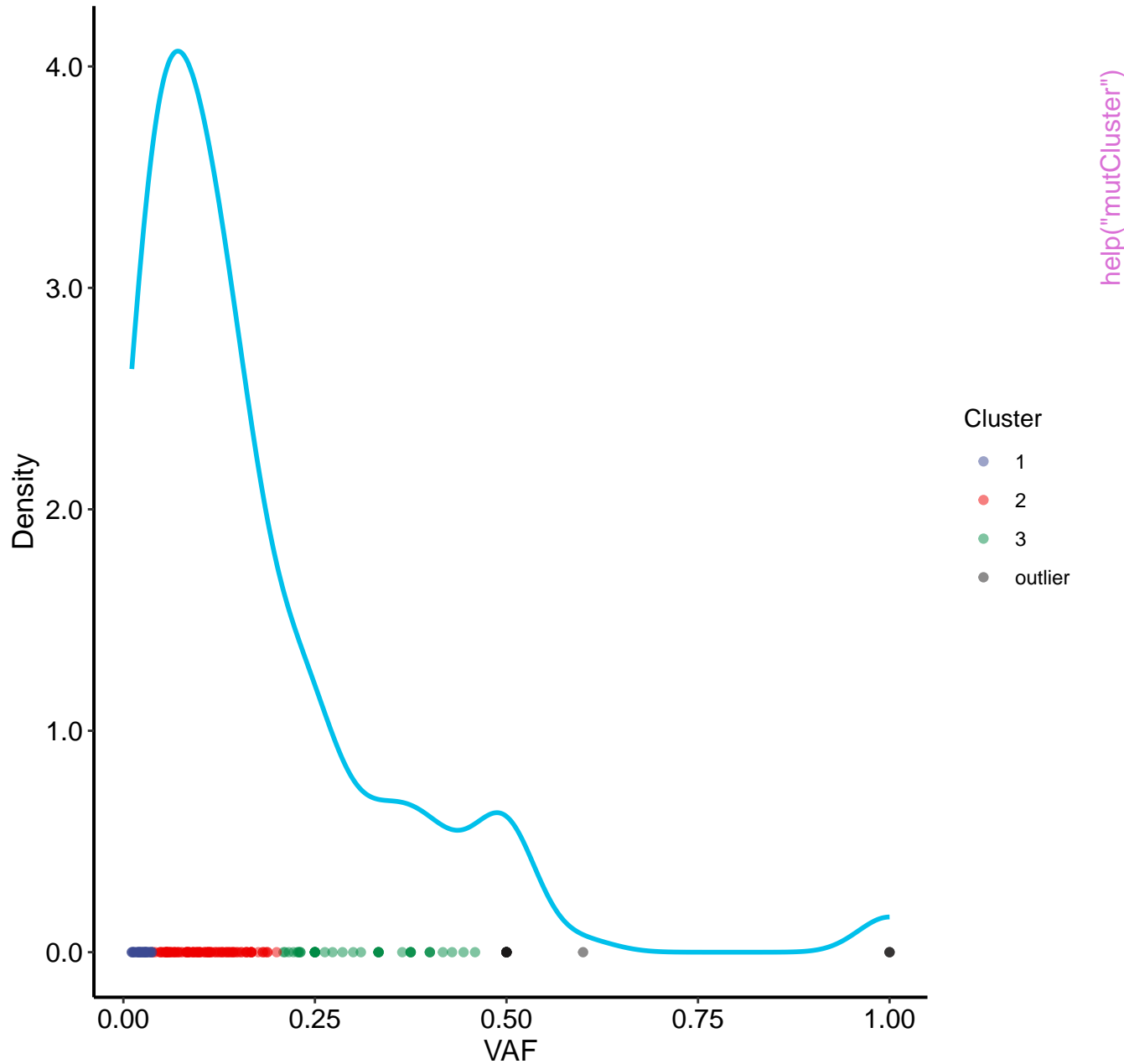
V402: V402\_P\_2



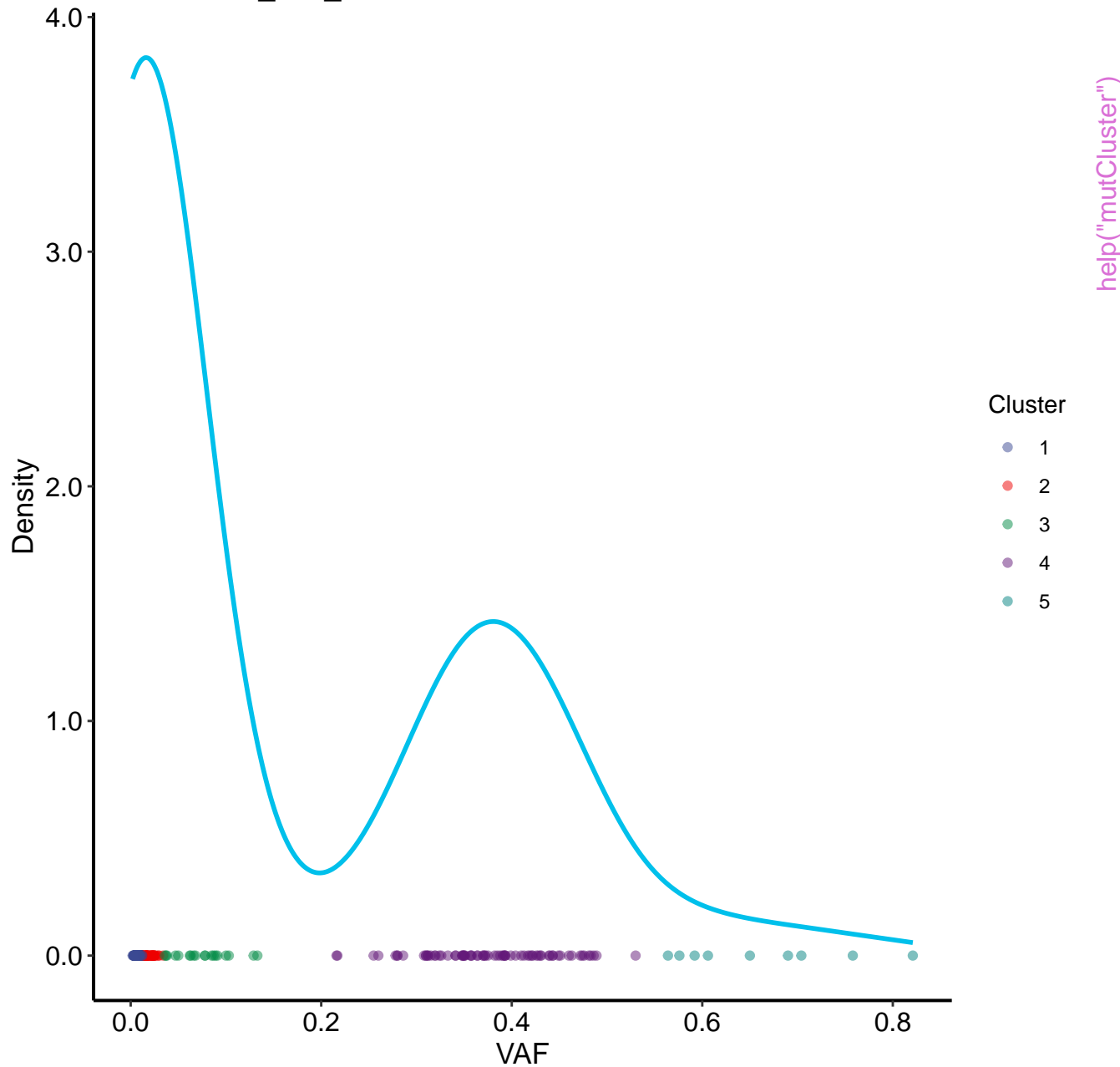
V402: V402\_P\_3



V402: V402\_P\_4

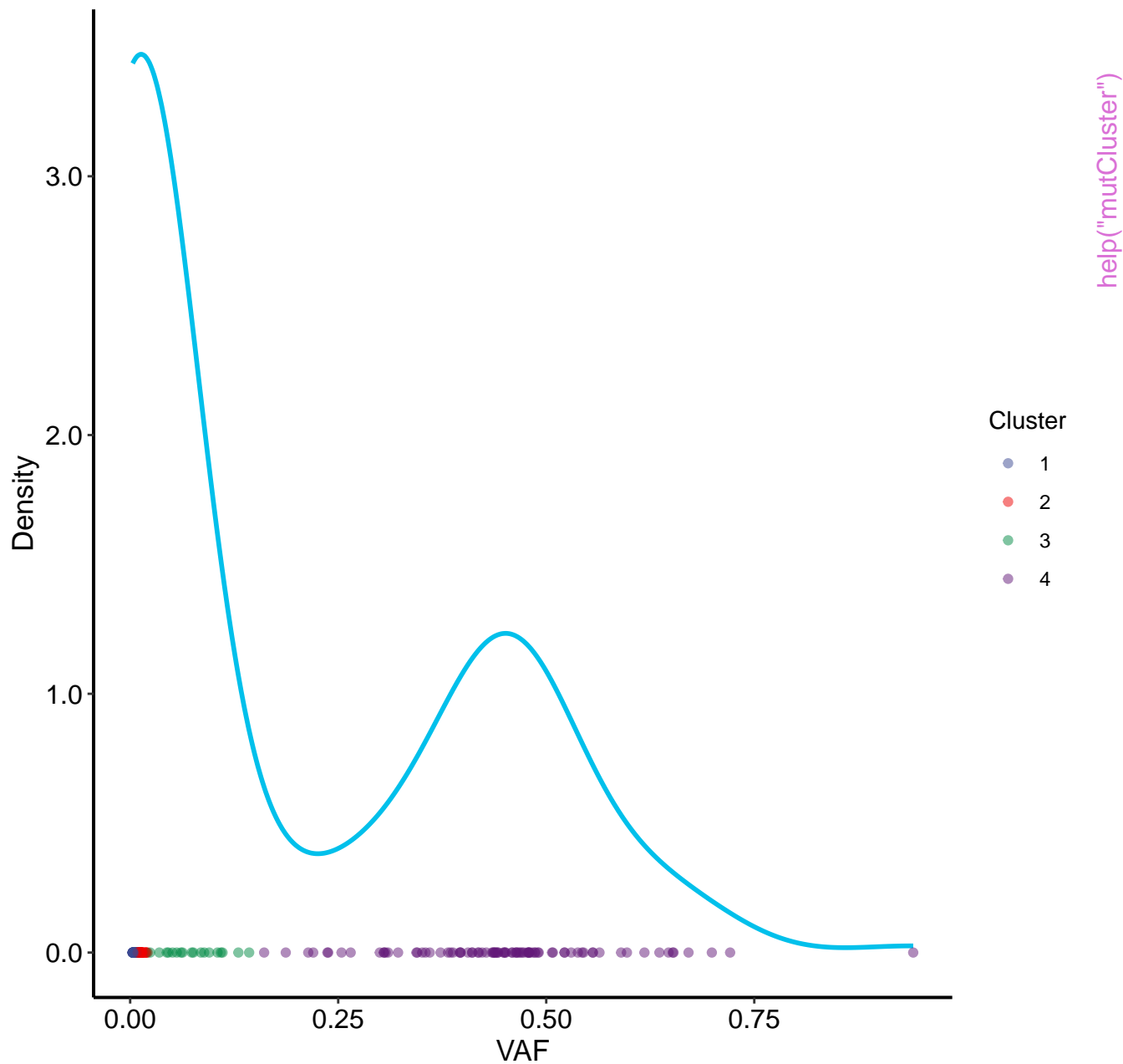


# V402: V402\_BM\_1

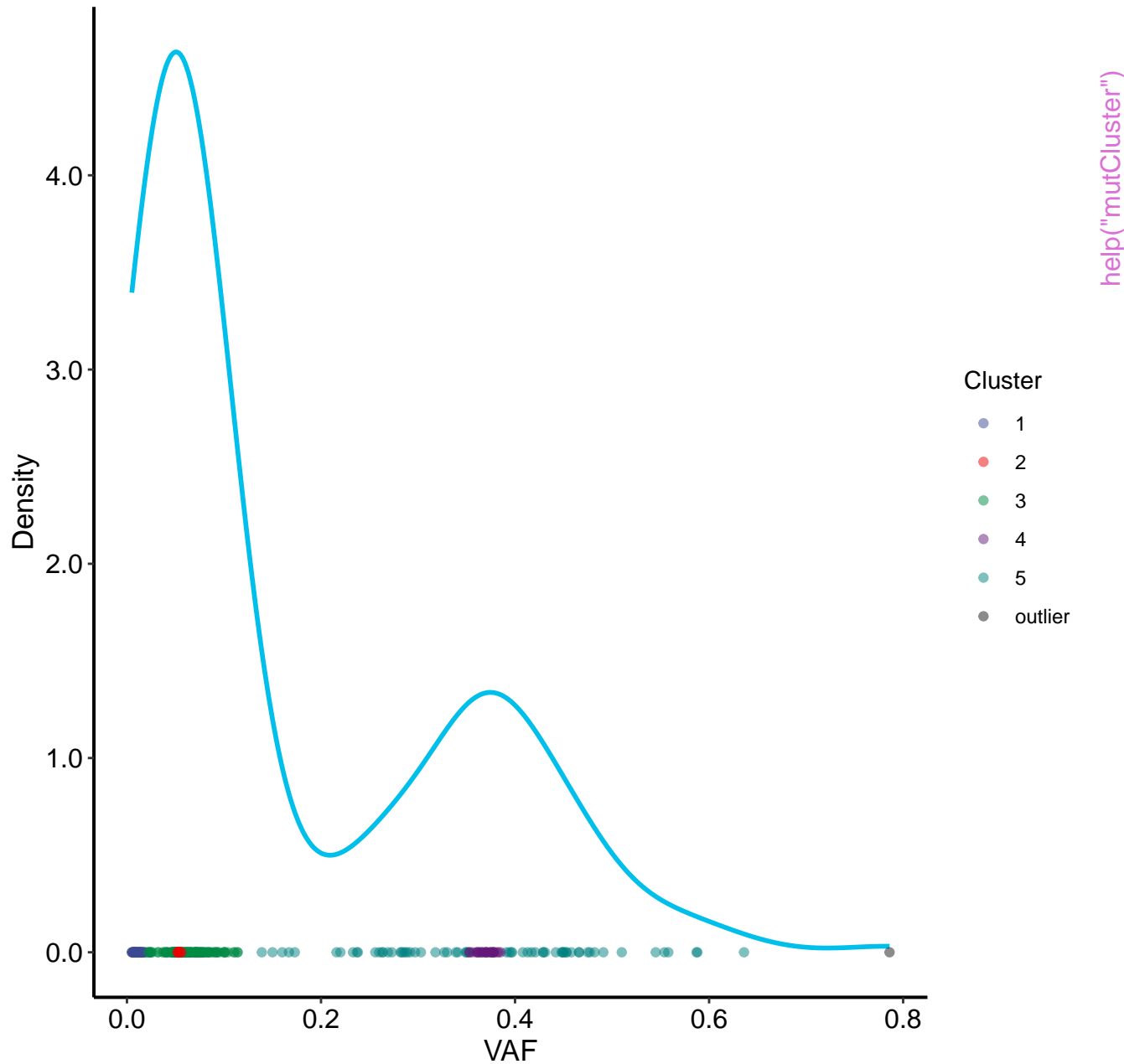




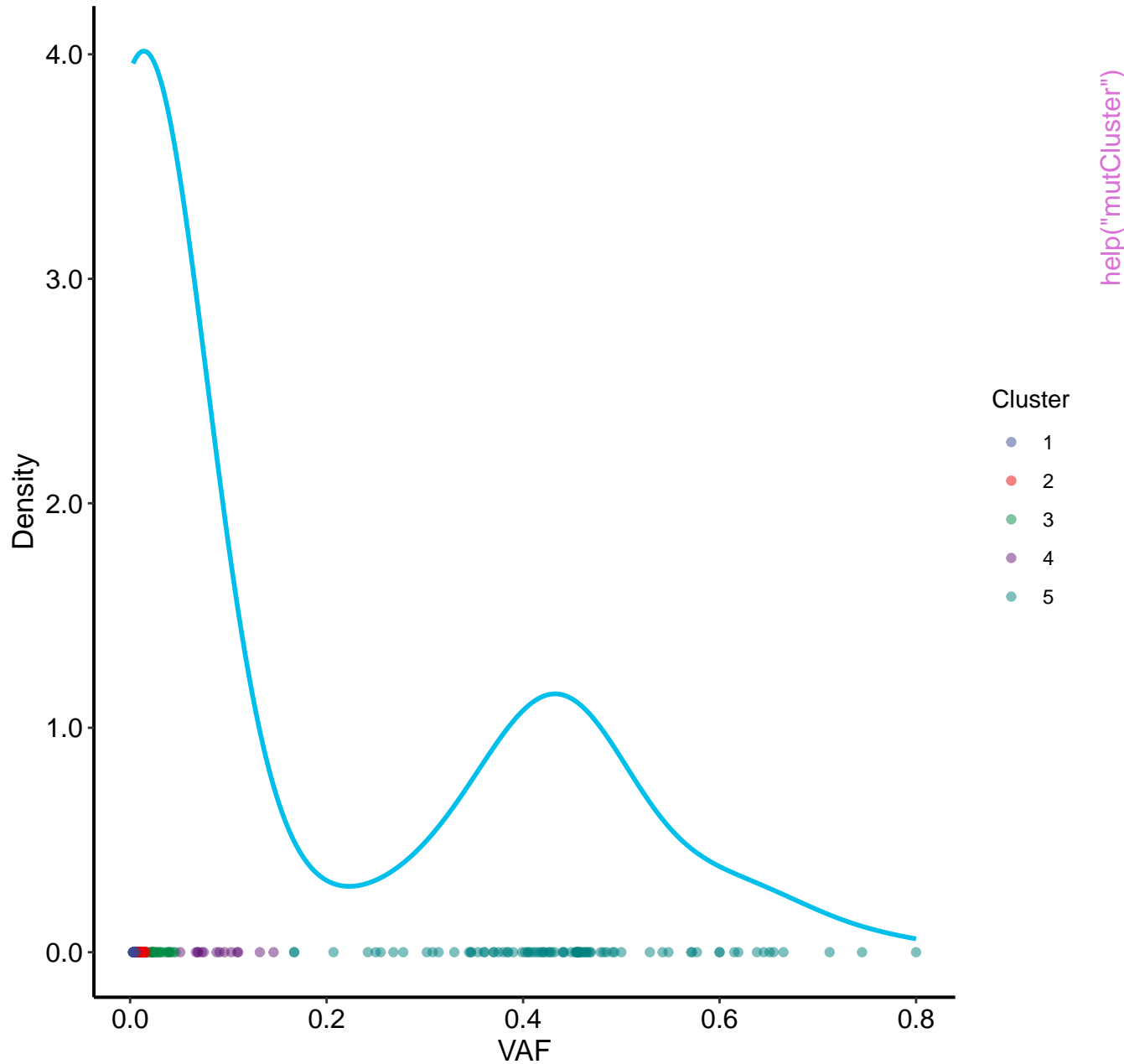
# V402: V402\_BM\_2



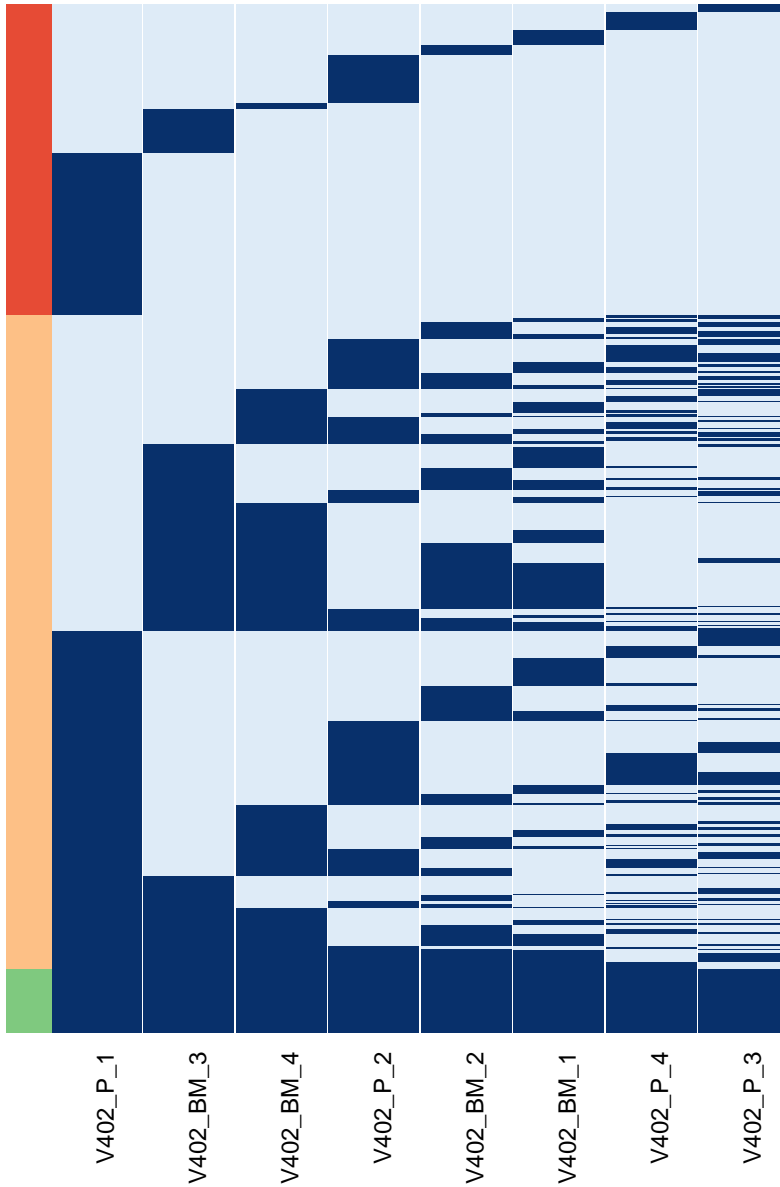
V402: V402\_BM\_3



# V402: V402\_BM\_4



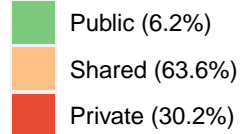
# V402 (n=693)



Mutation

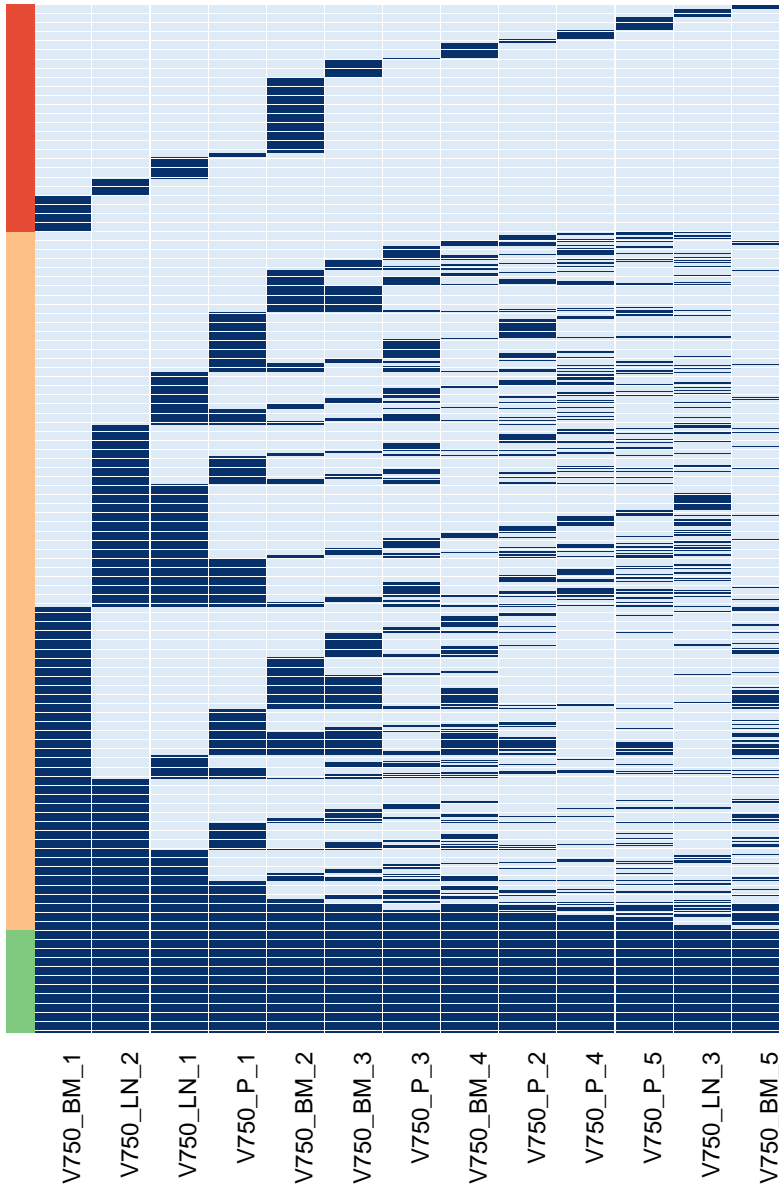


Type



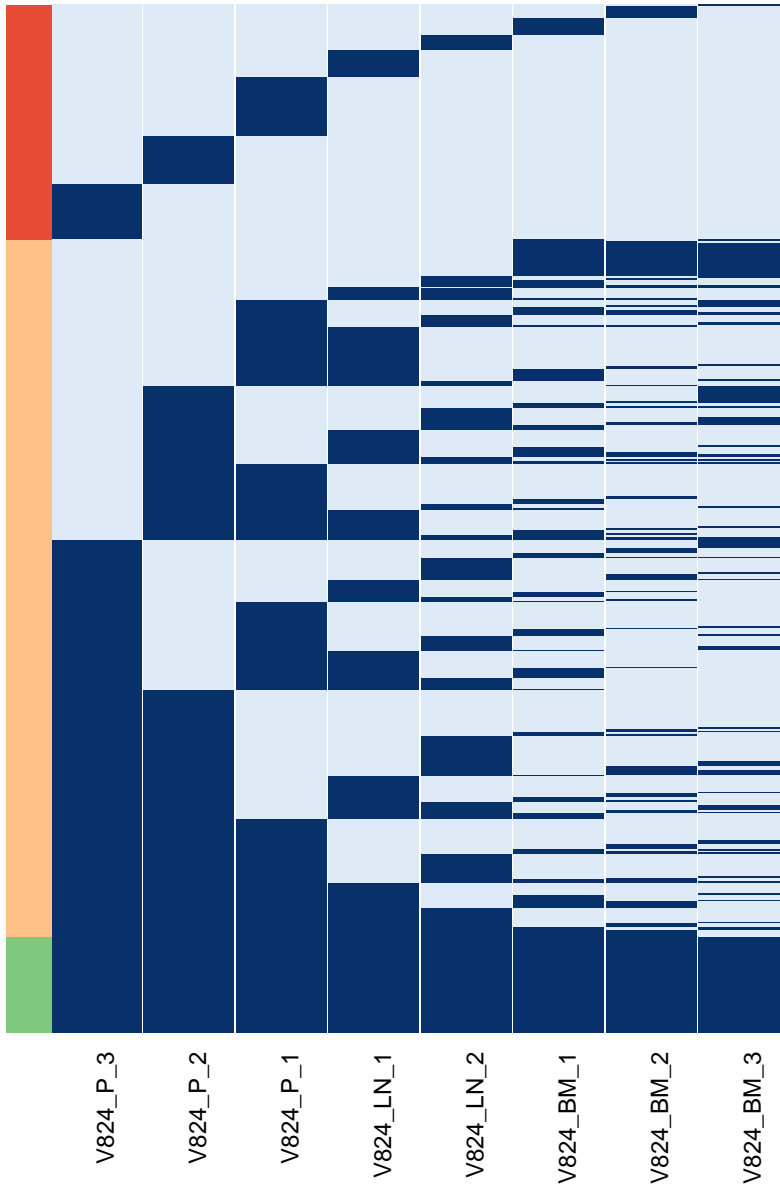
help("mutHeatmap")

# V750 (n=915)



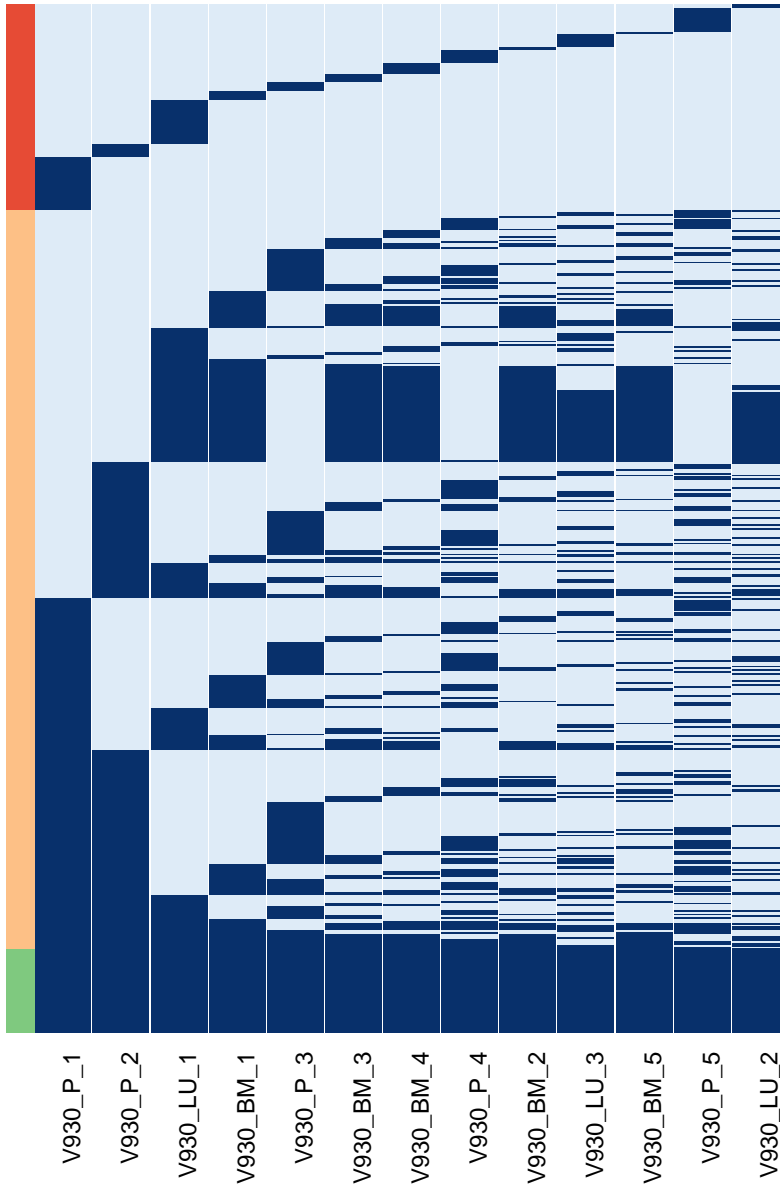
help("mutHeatmap")

# V824 (n=609)



help("mutHeatmap")

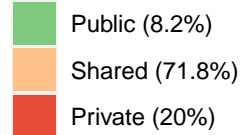
# V930 (n=560)



Mutation

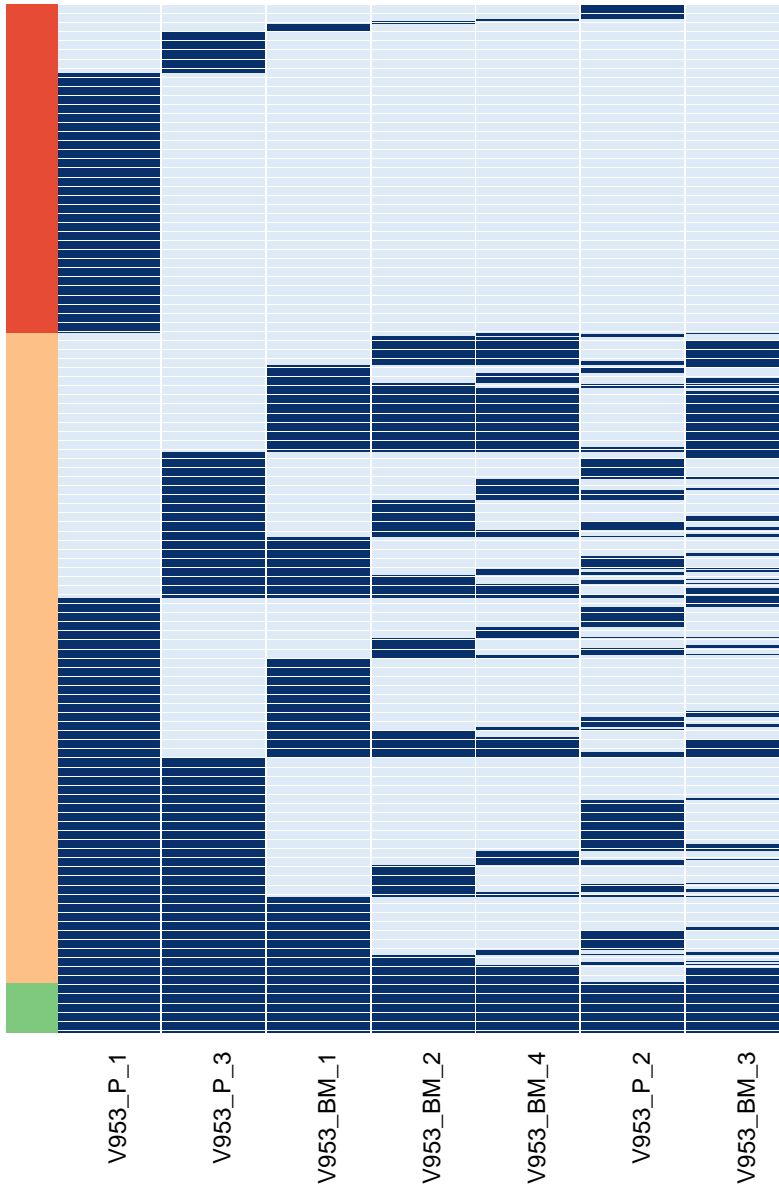


Type



help("mutHeatmap")

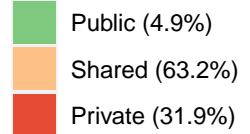
# V953 (n=915)



Mutation



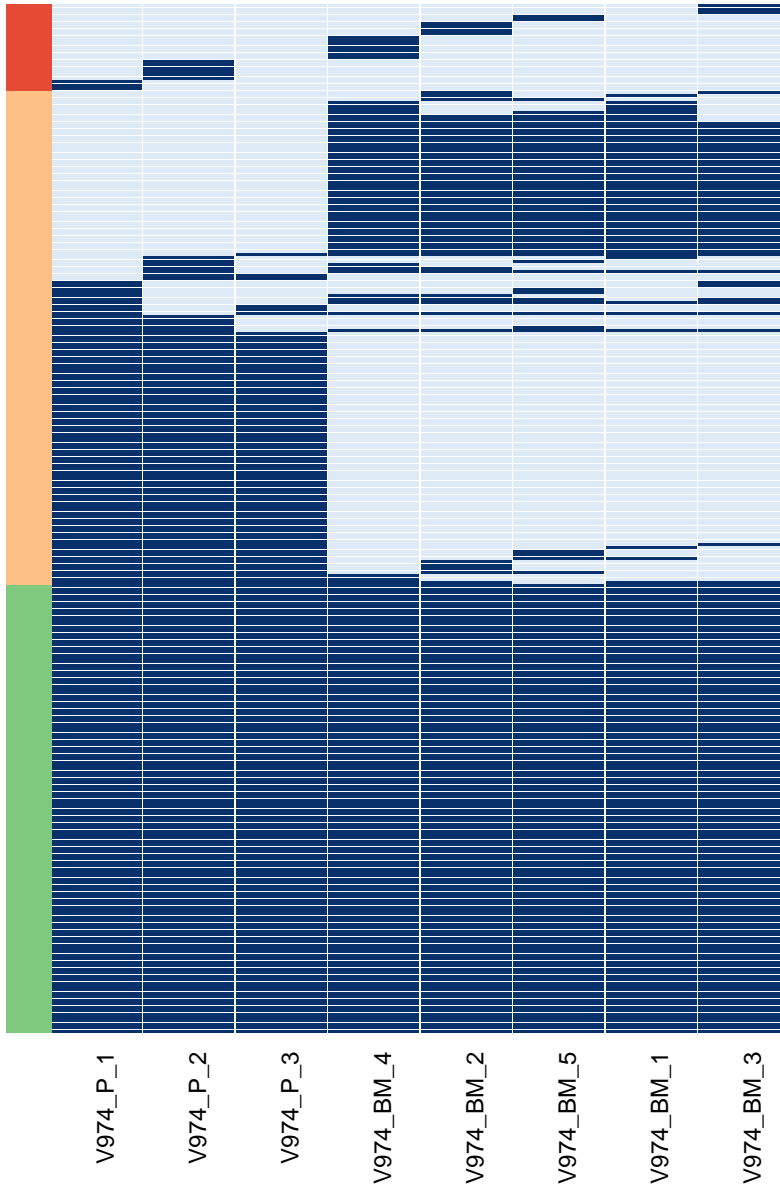
Type



help("mutHeatmap")



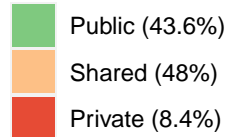
# V974 (n=298)



Mutation



Type



help("mutHeatmap")

V402

43

267

Proportion

1.00  
0.75  
0.50  
0.25  
0.00

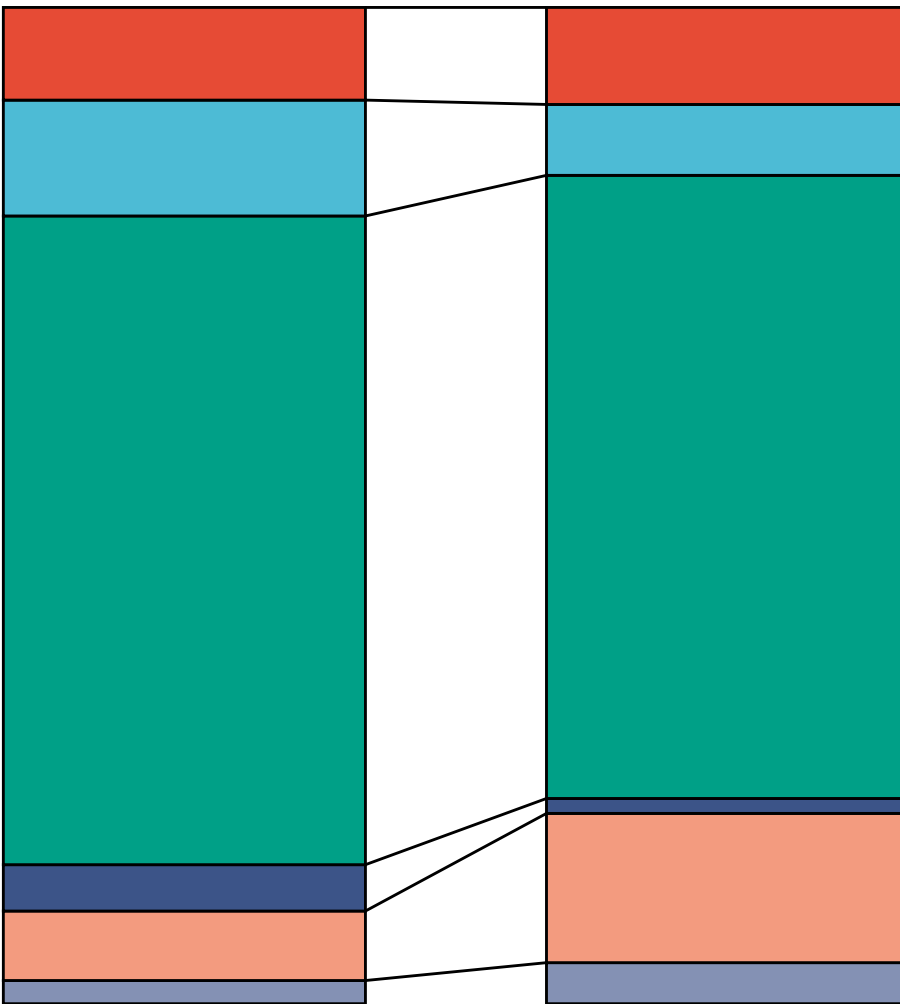
Trunk

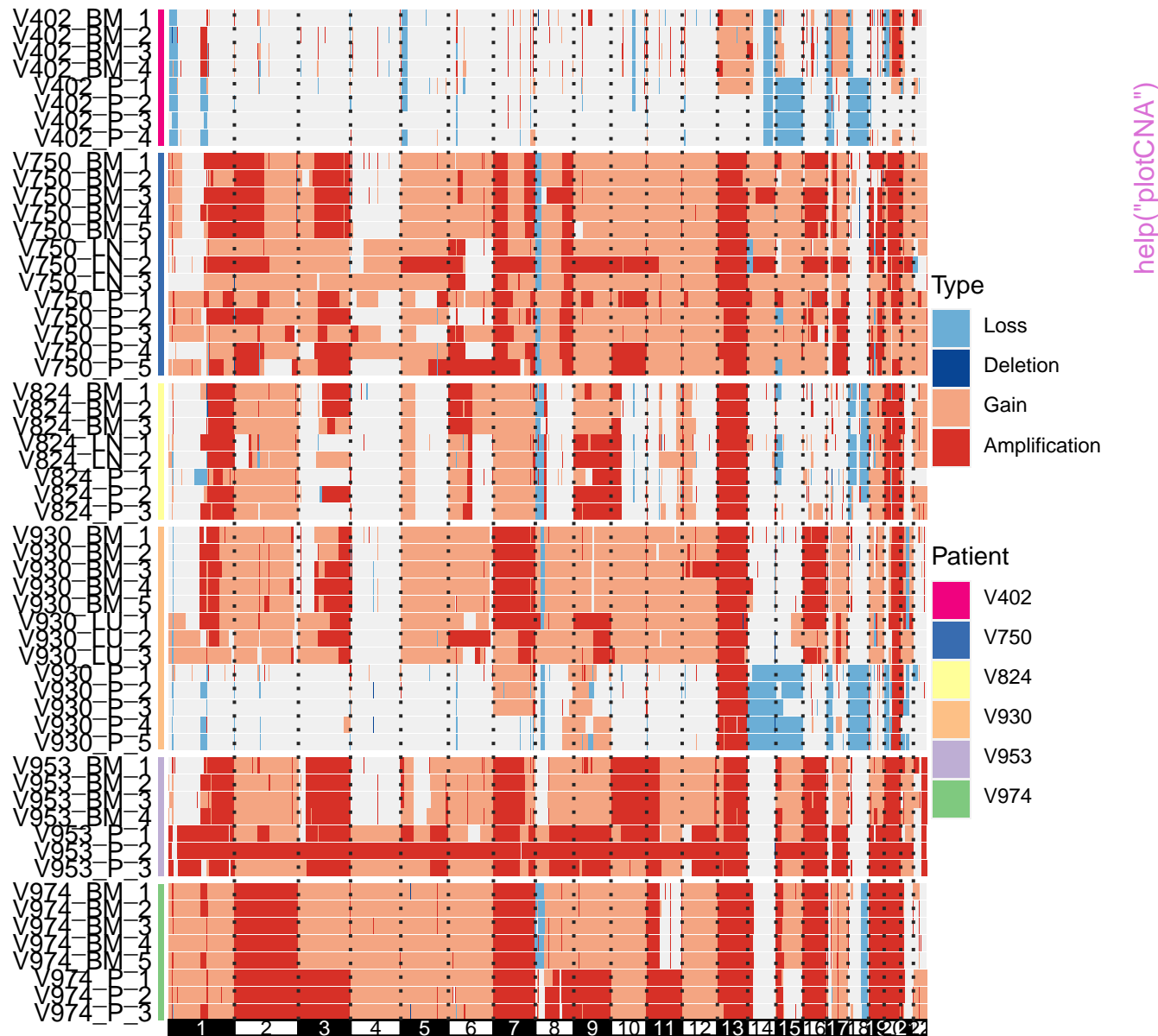
Branches

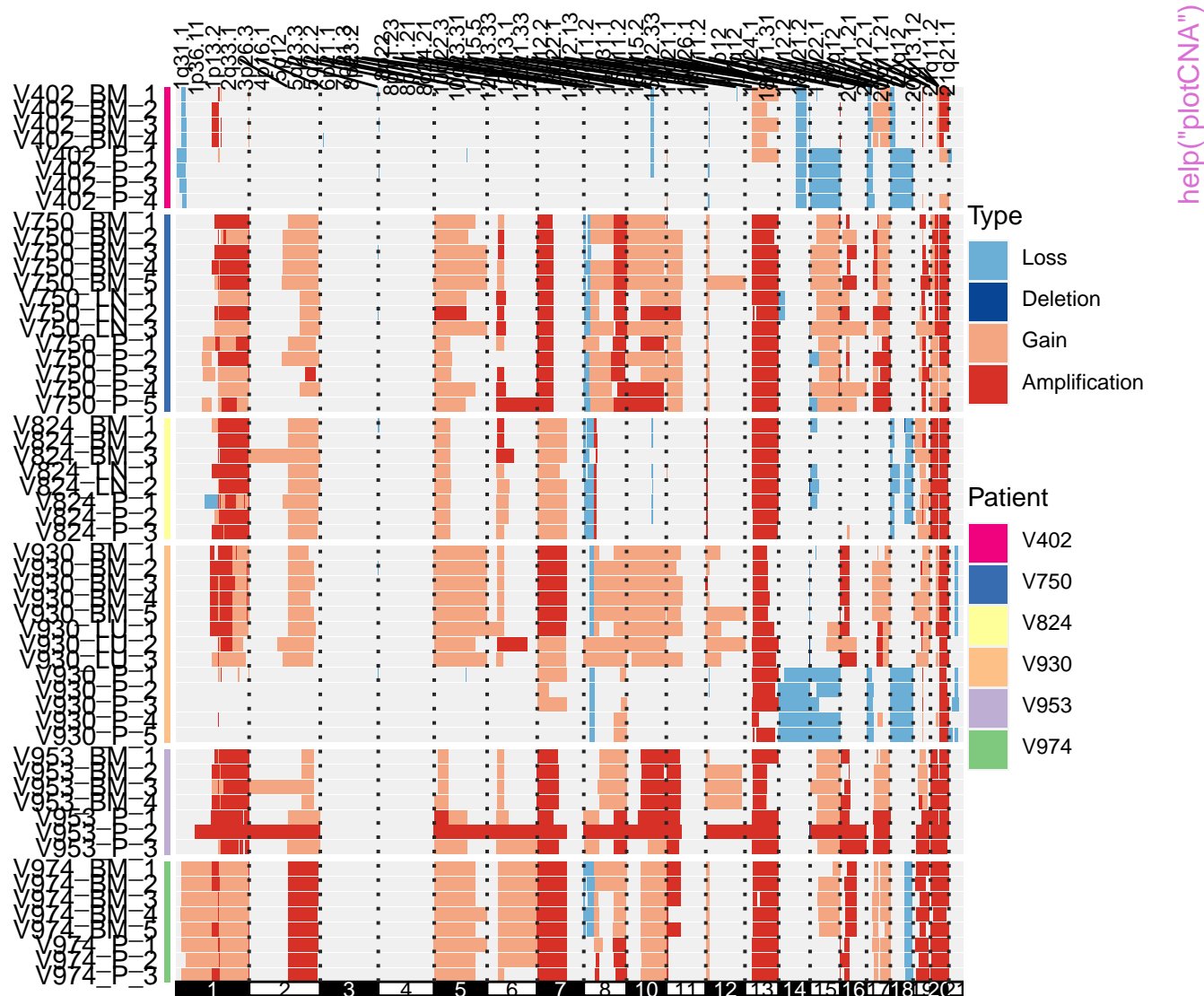
Group

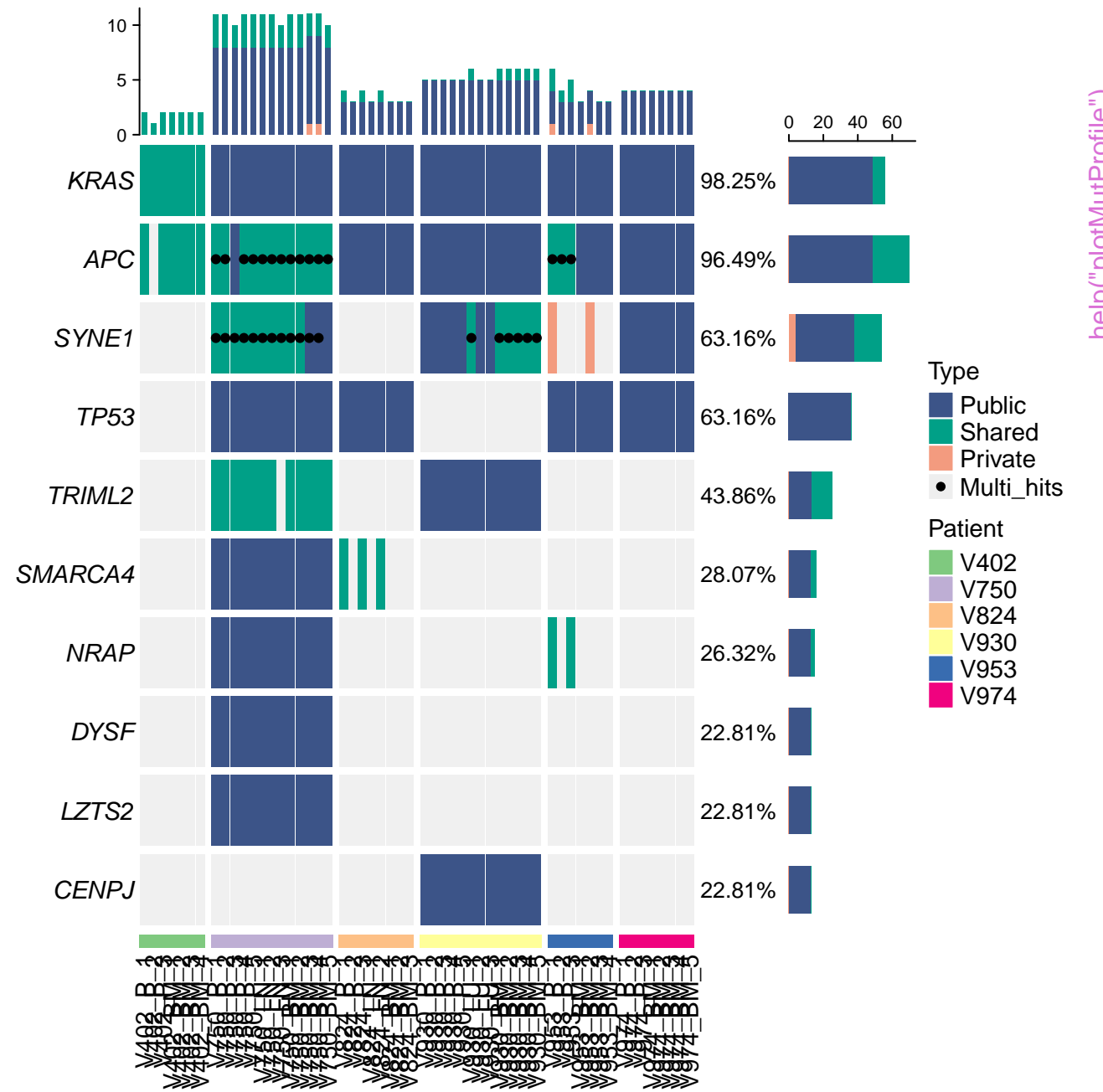


help("mutTrunkBranch")





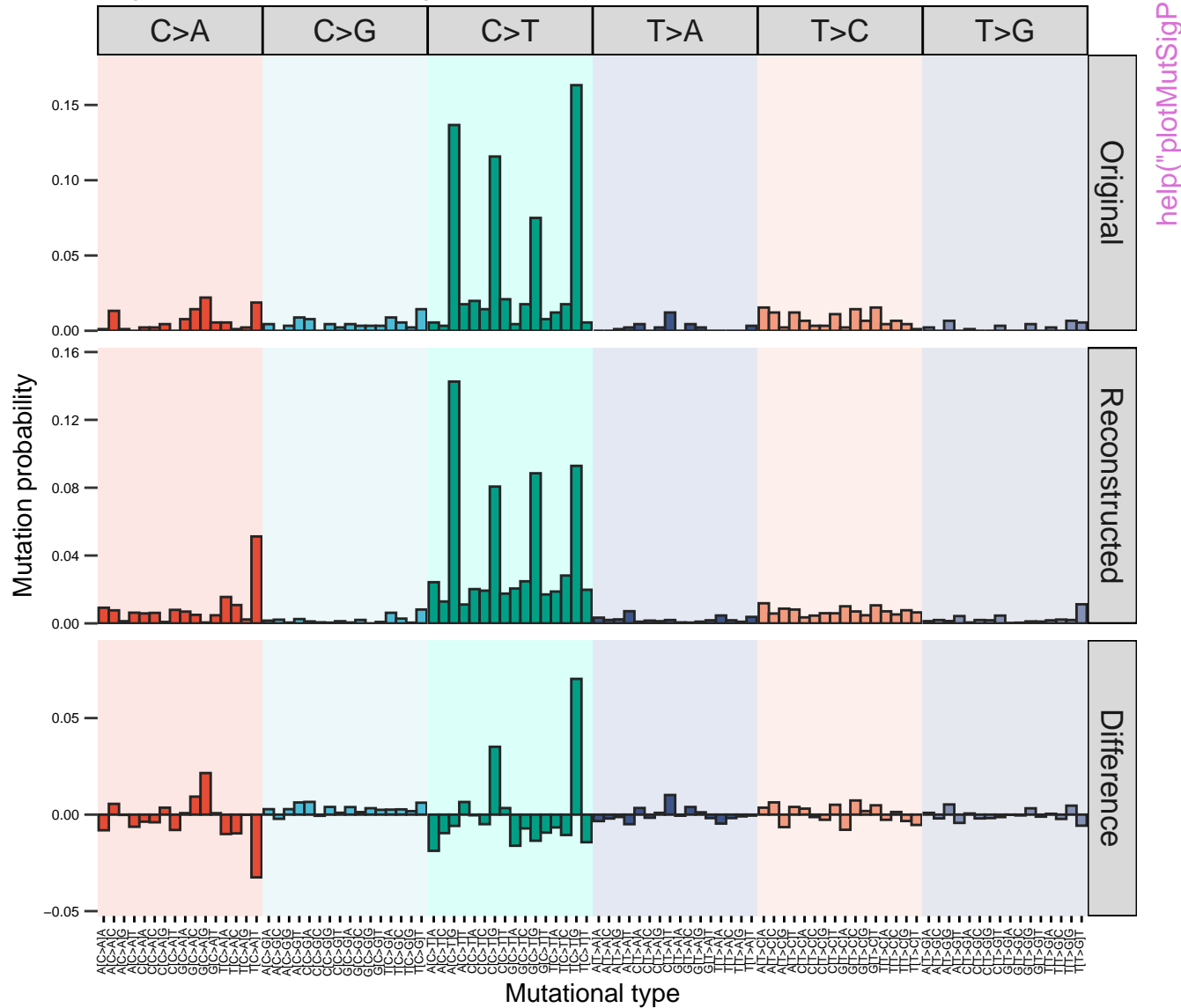




V402: BM

RSS = 0.011; Cosine similarity = 0.923

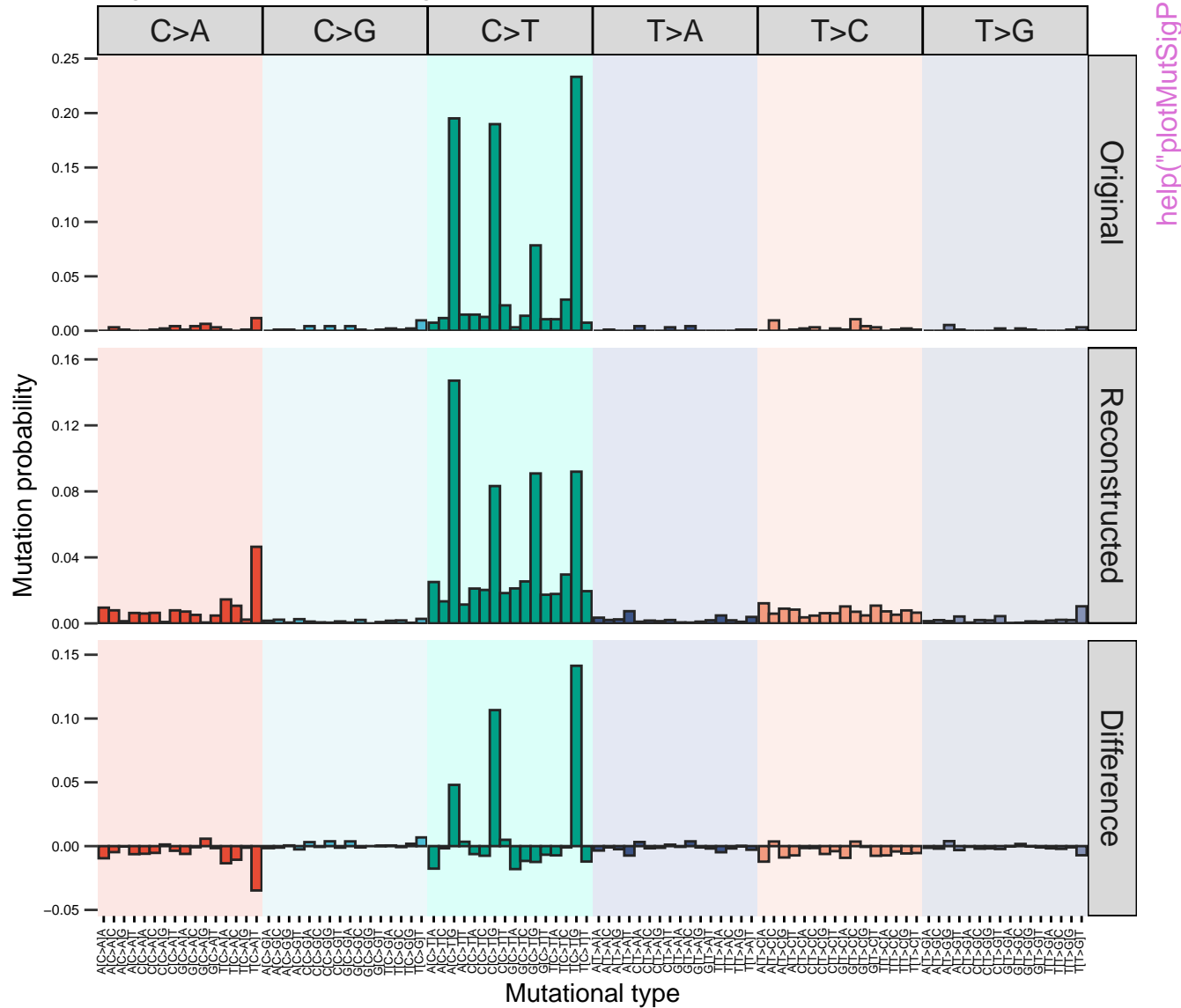
Signature 1: 0.82 & Signature 10: 0.12



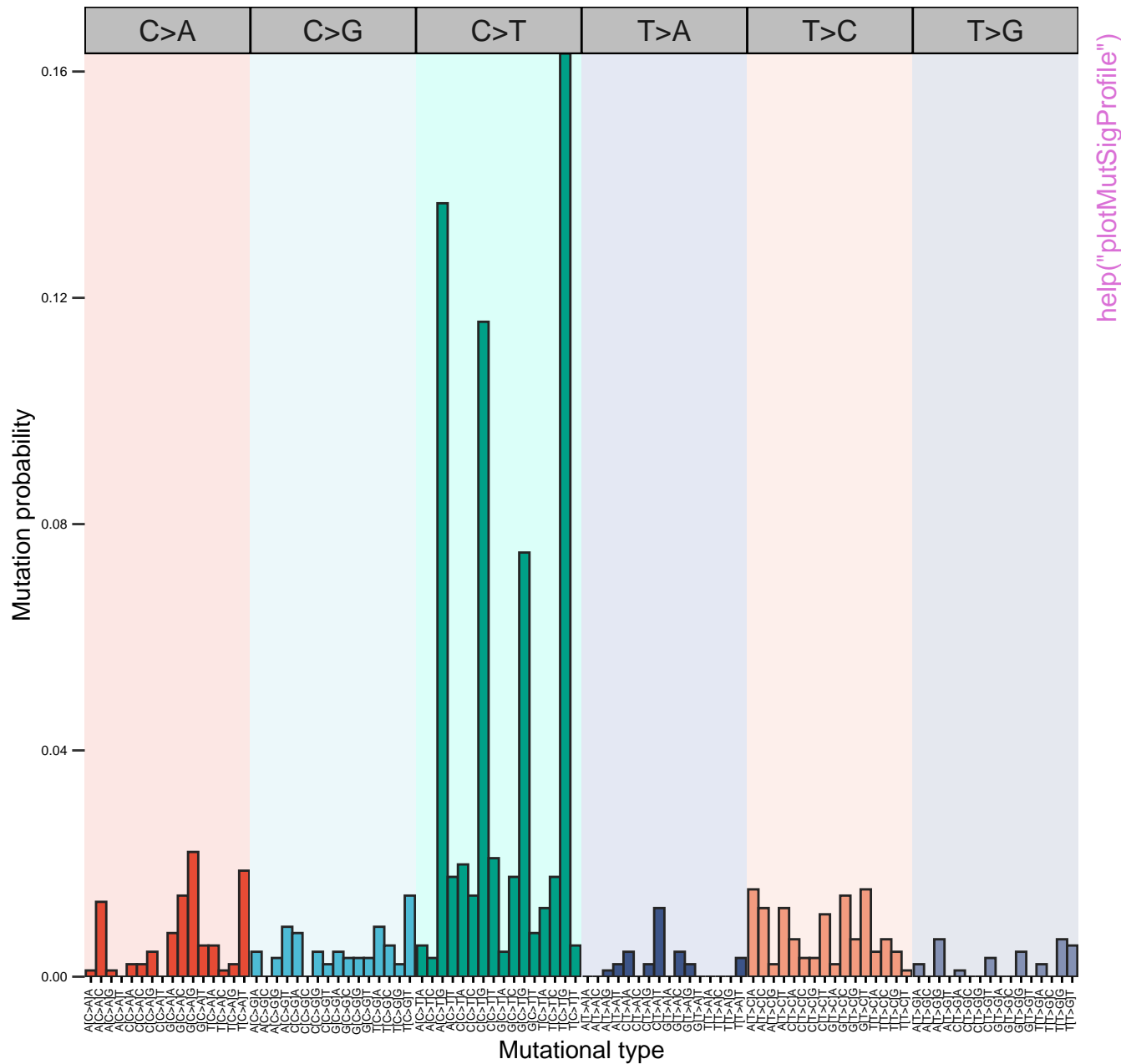
V402: P

RSS = 0.038; Cosine similarity = 0.892

Signature 1: 0.85 & Signature 10: 0.11

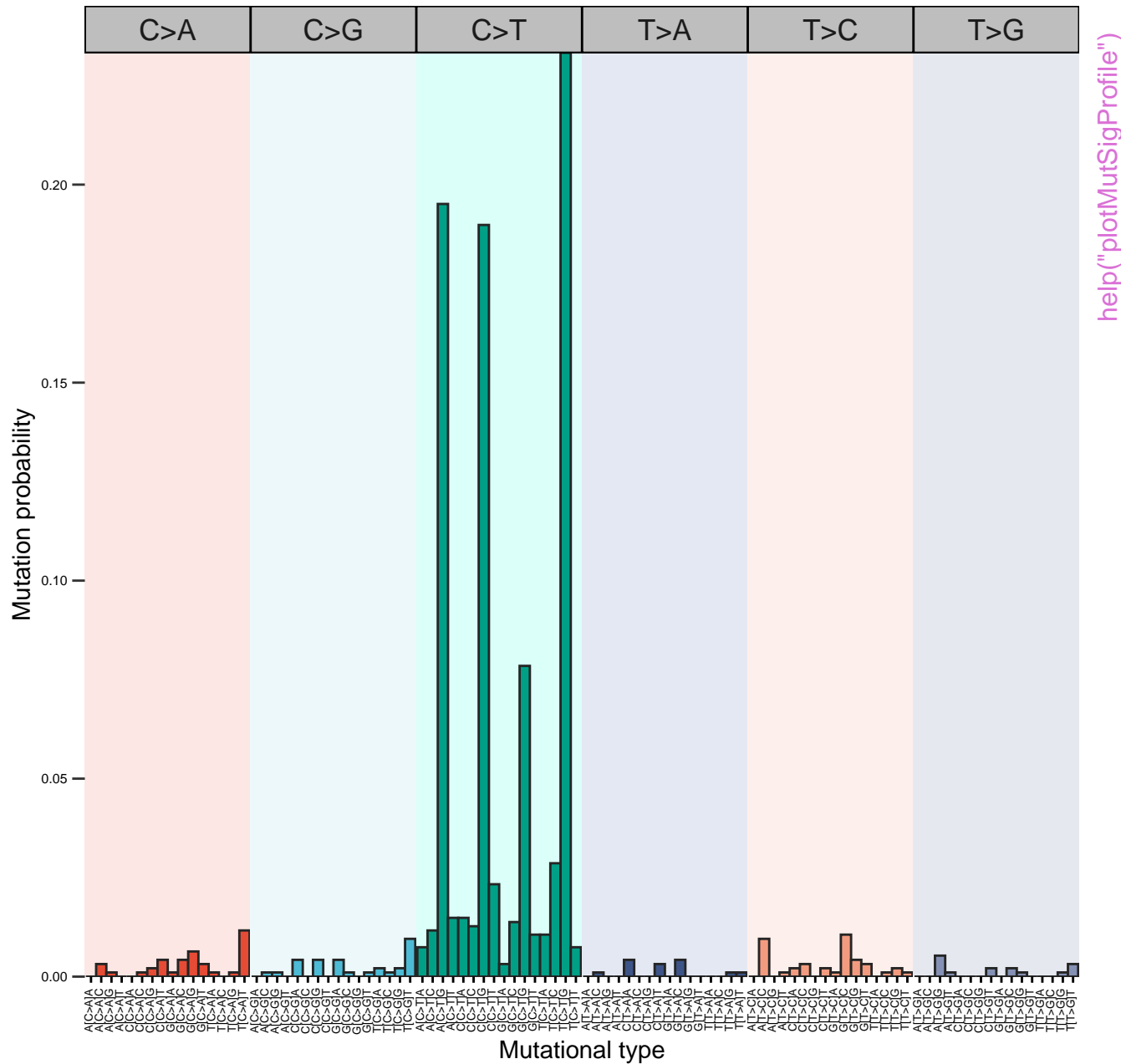


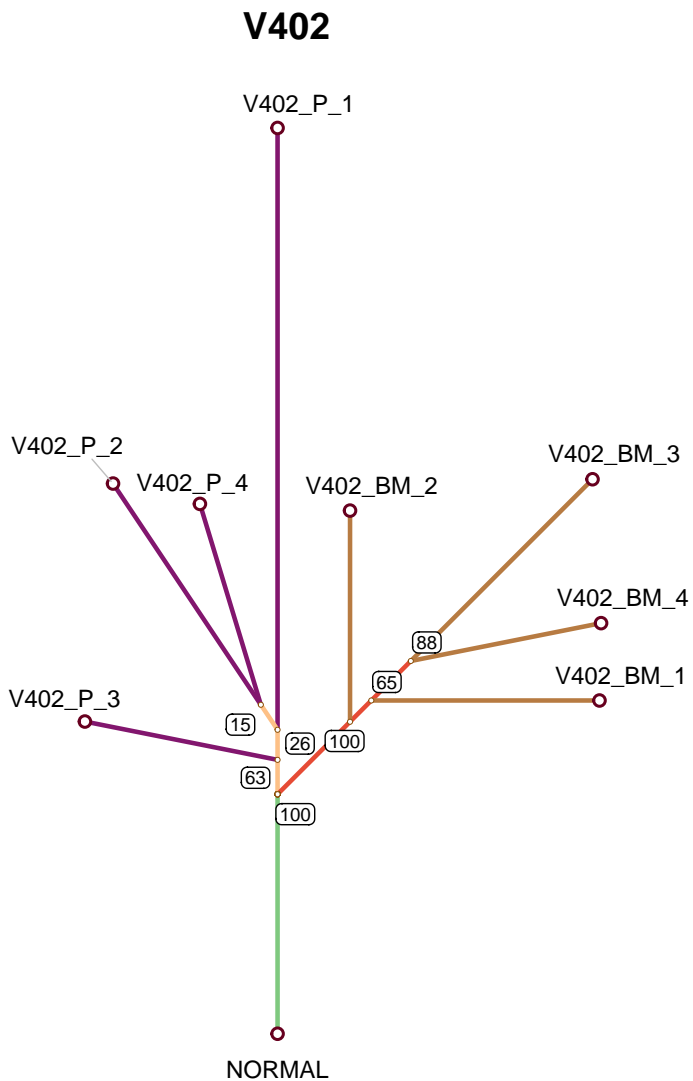
# V402: BM





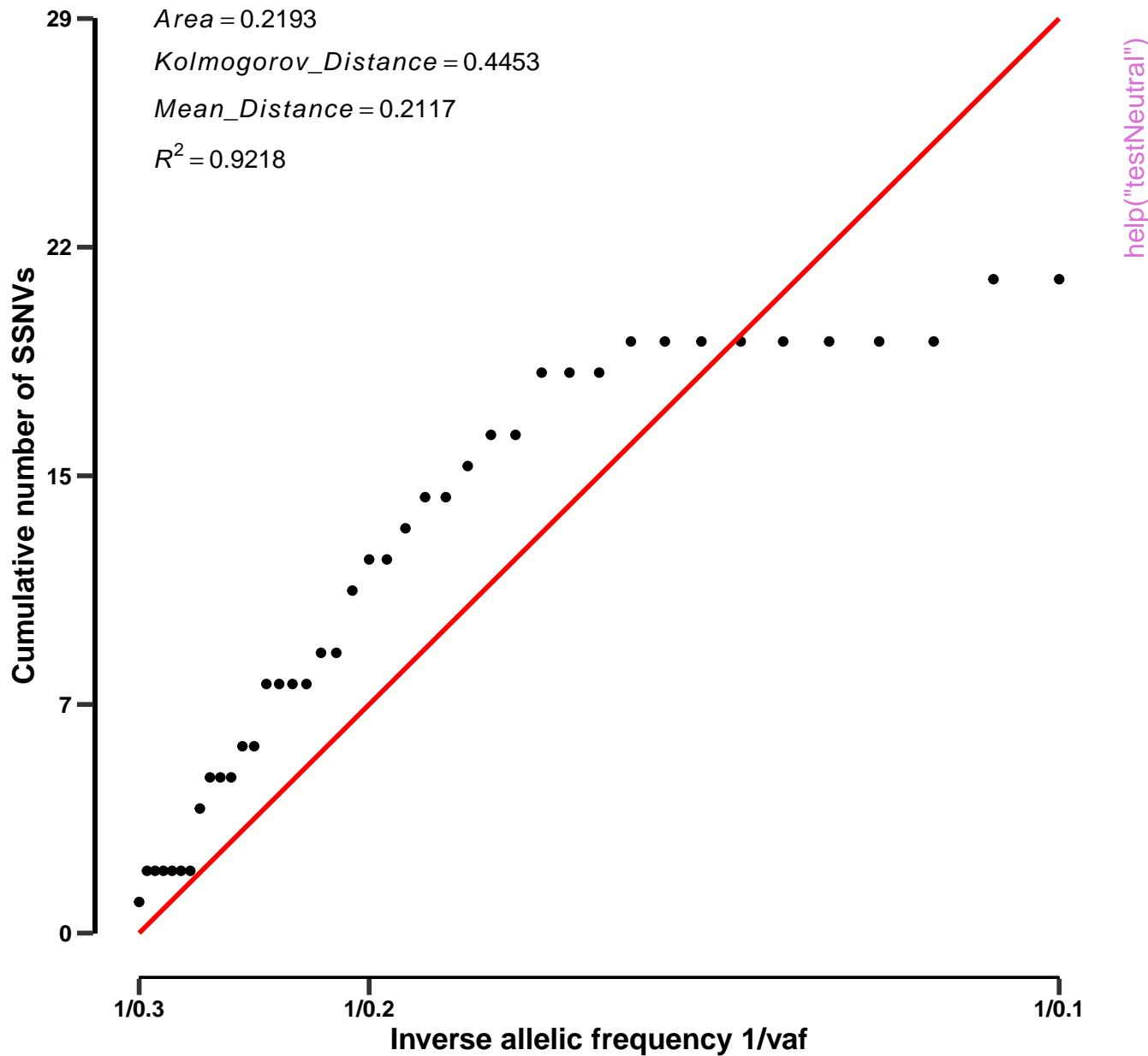
# V402: P



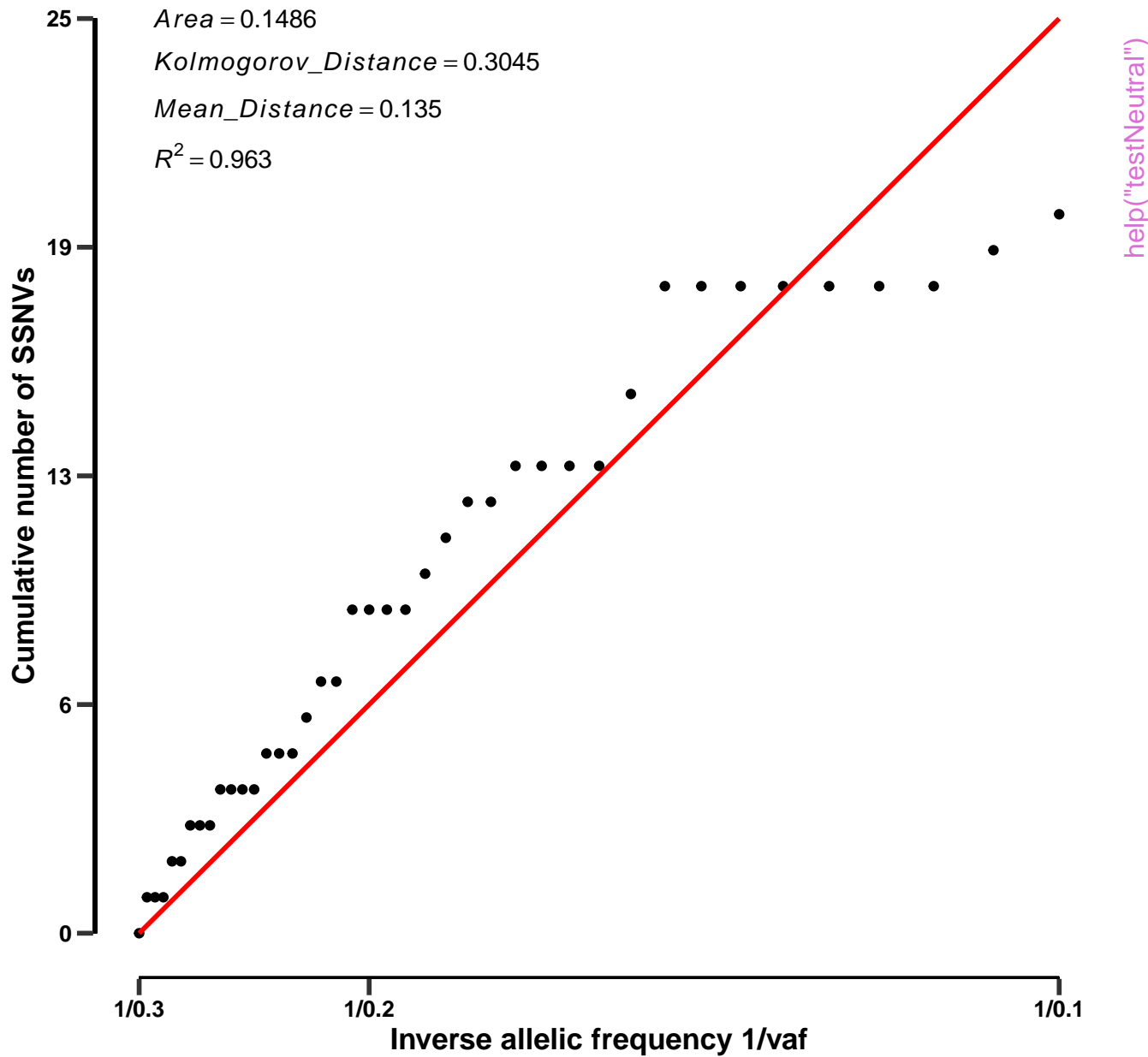


help("plotPhyloTree")

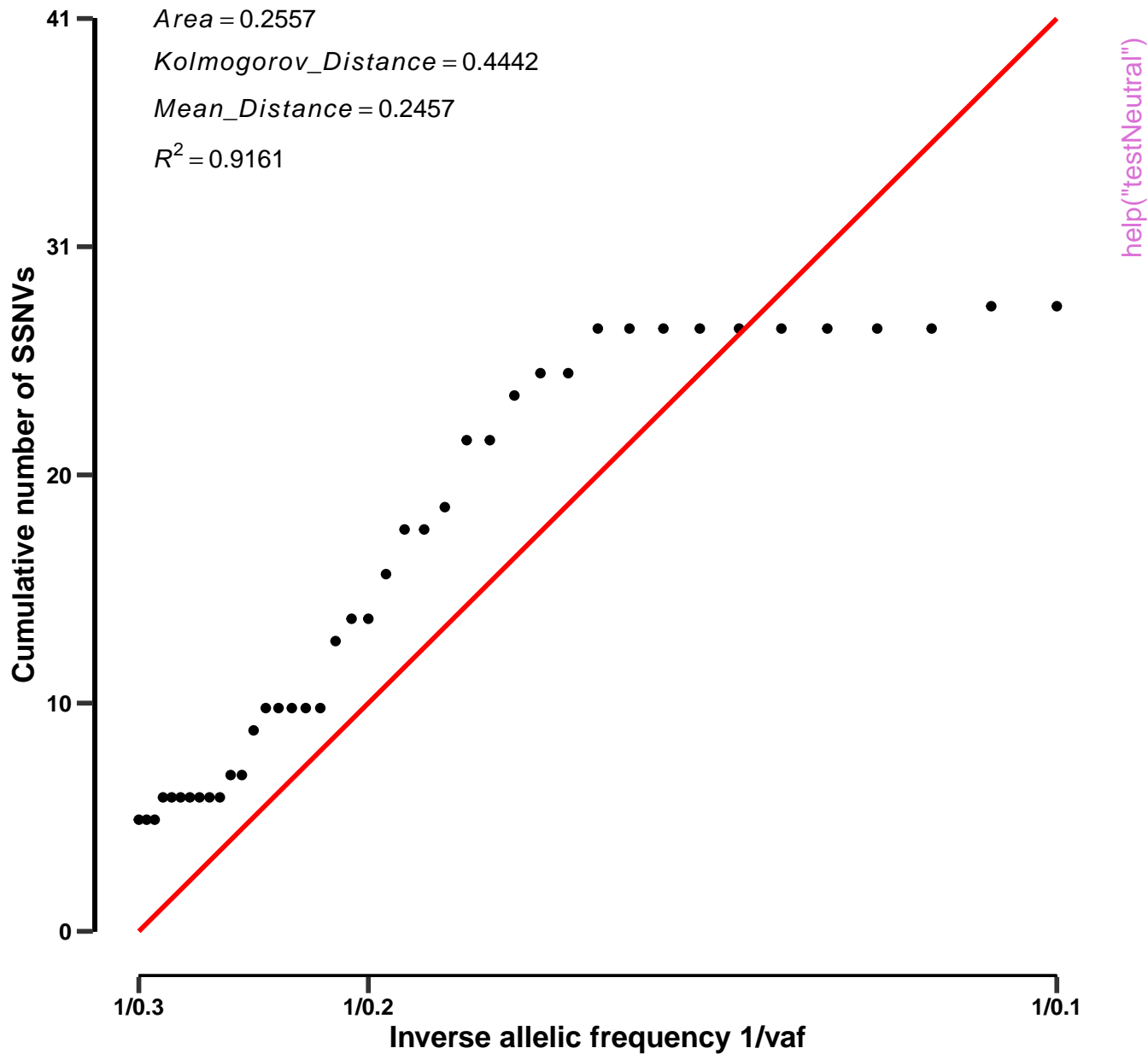
# V402:V402\_P\_2



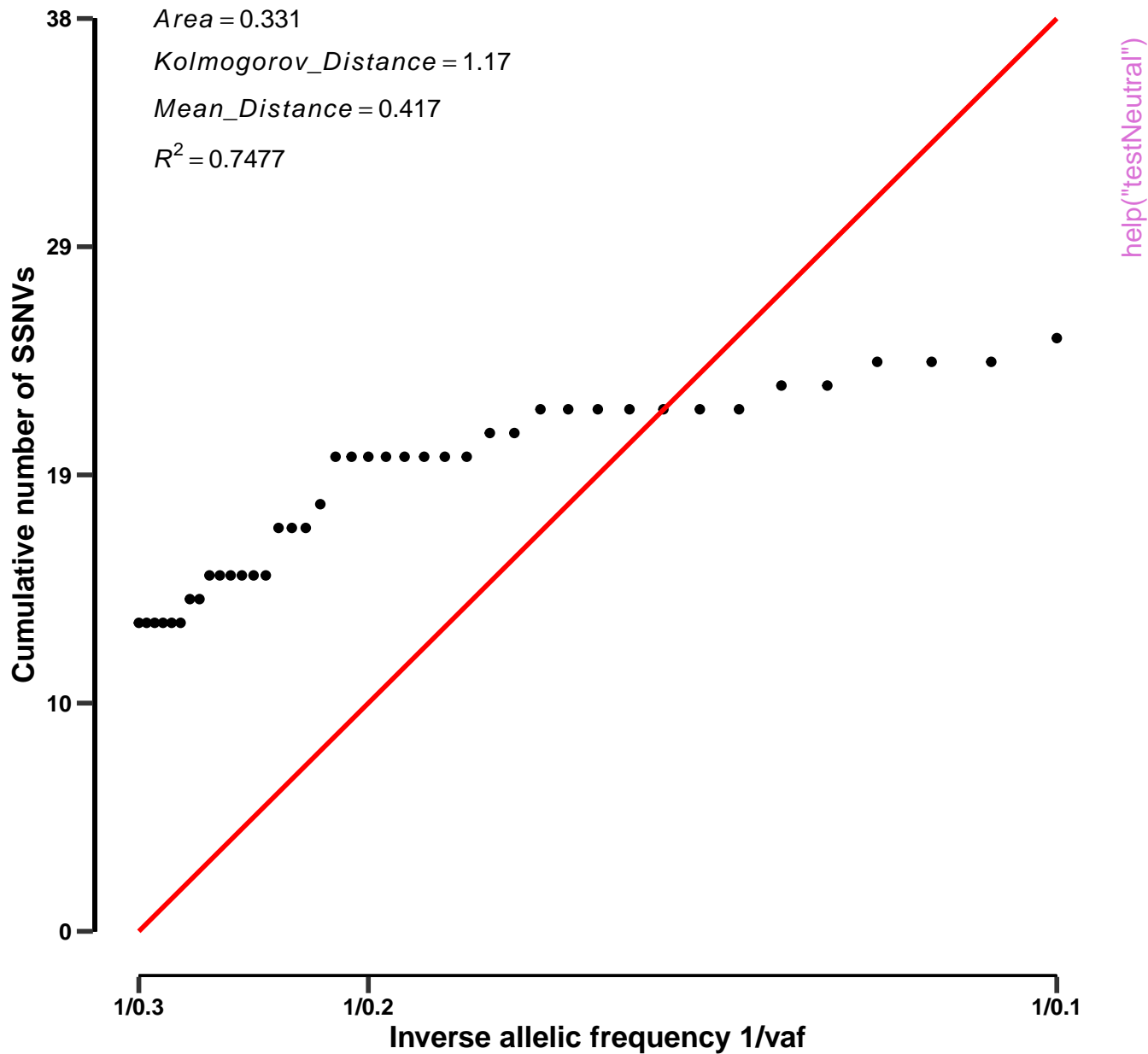
# V402:V402\_P\_3



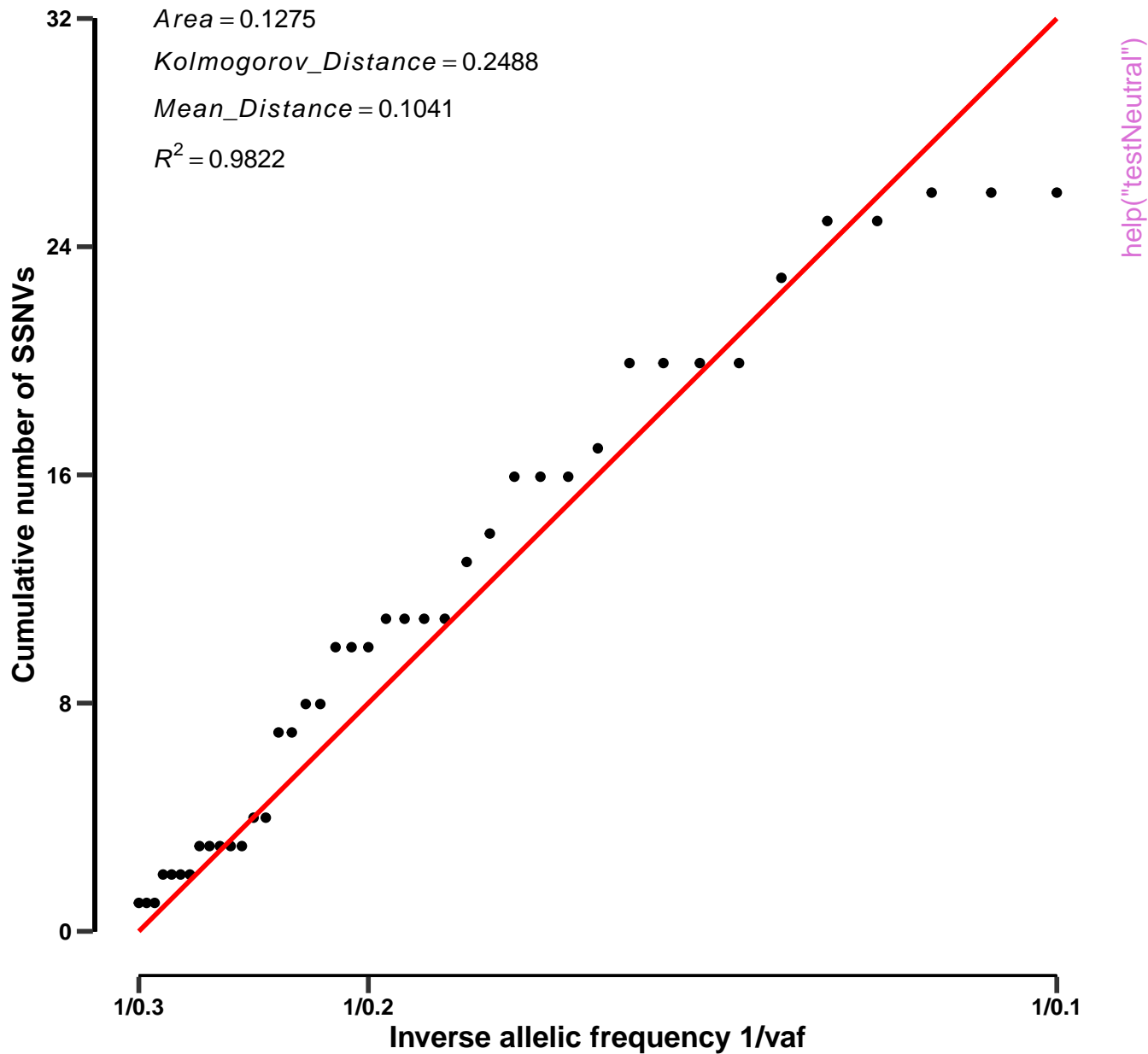
# V402:V402\_P\_4



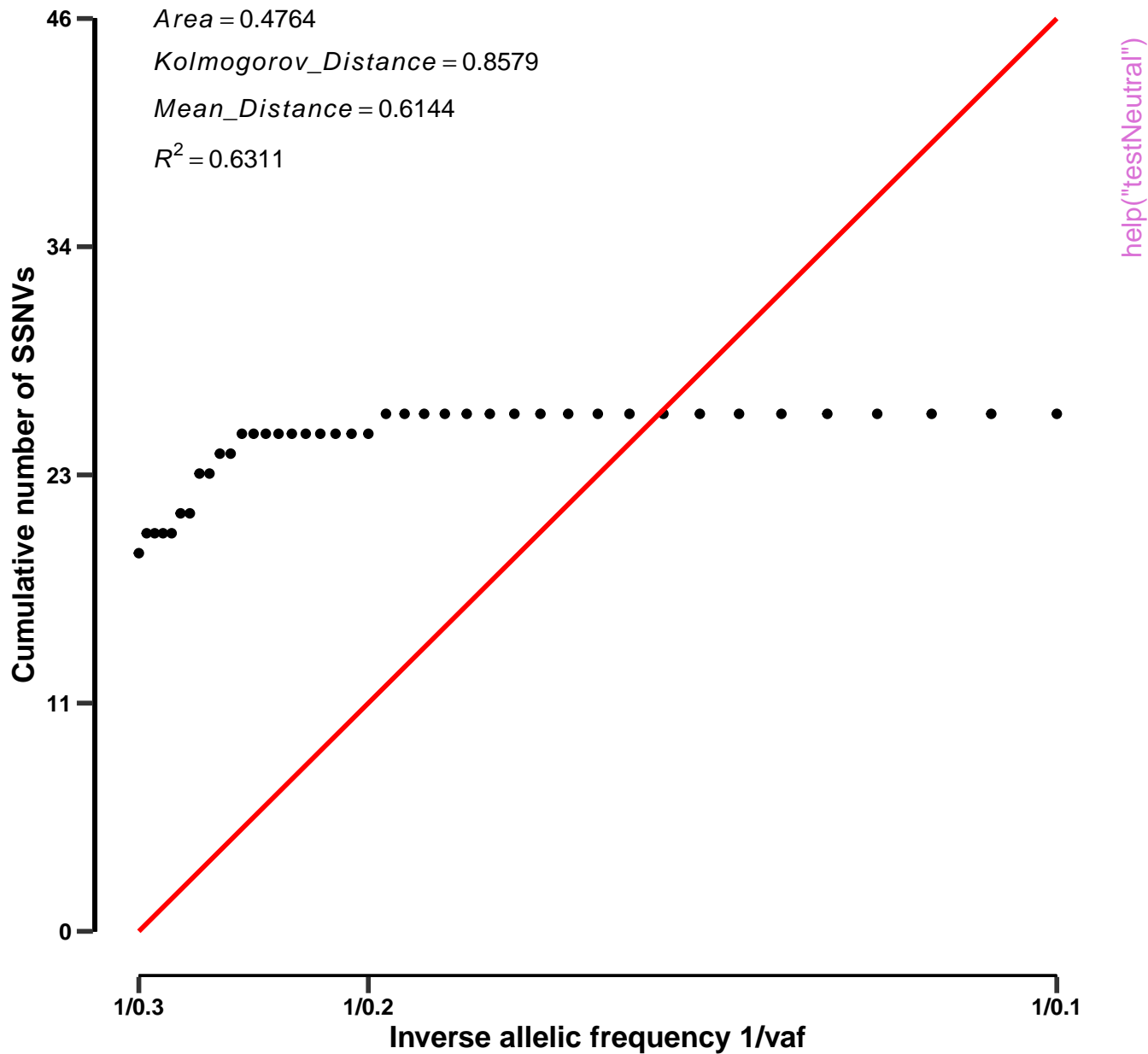
# V750:V750\_BM\_2



# V930:V930\_P\_4



# V953:V953\_P\_1





**V953:V953\_BM\_4**

