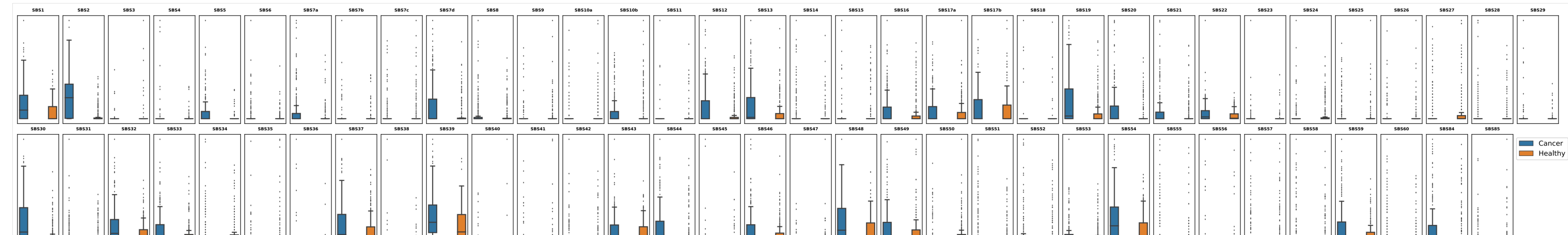
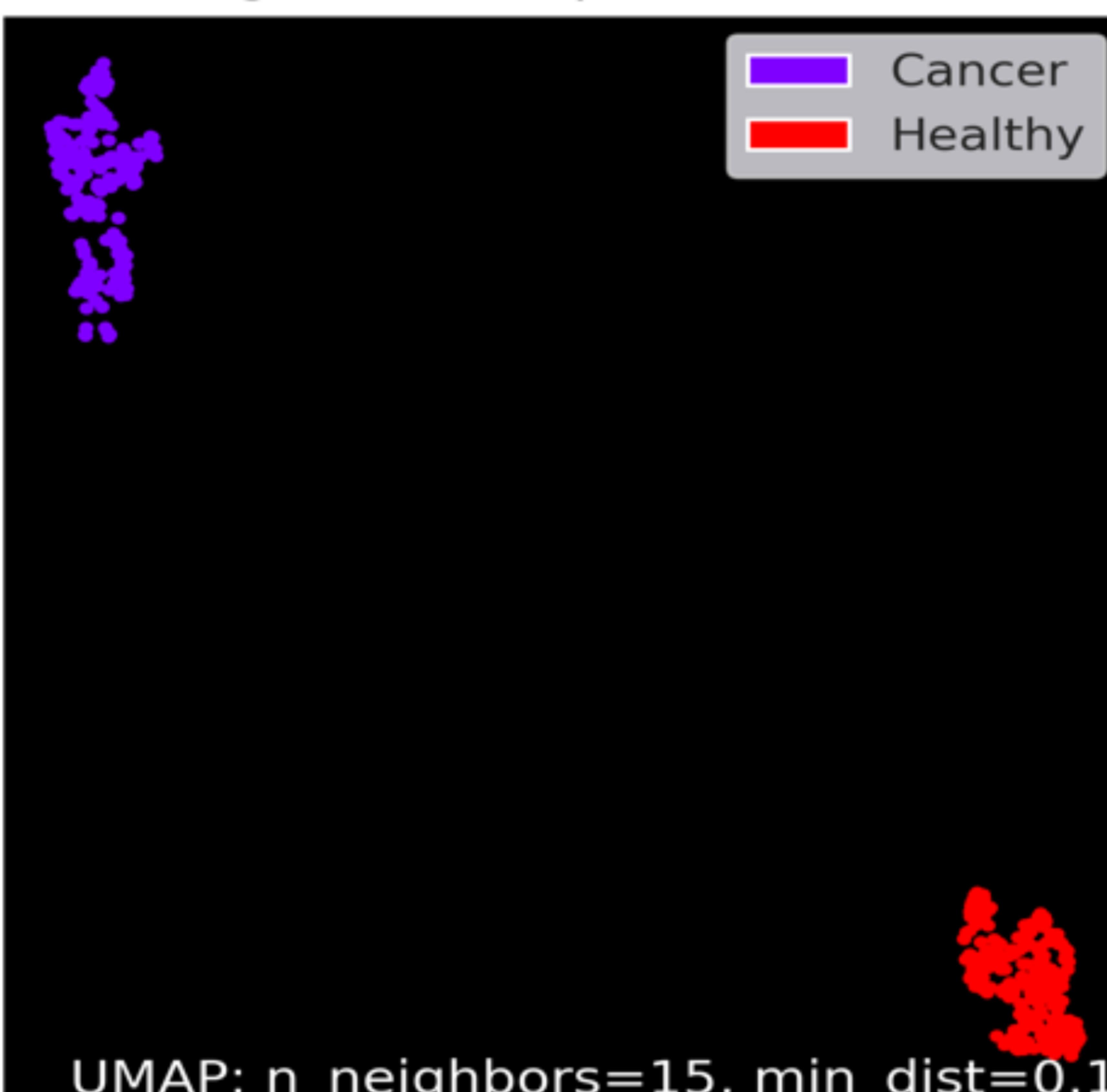


(a)

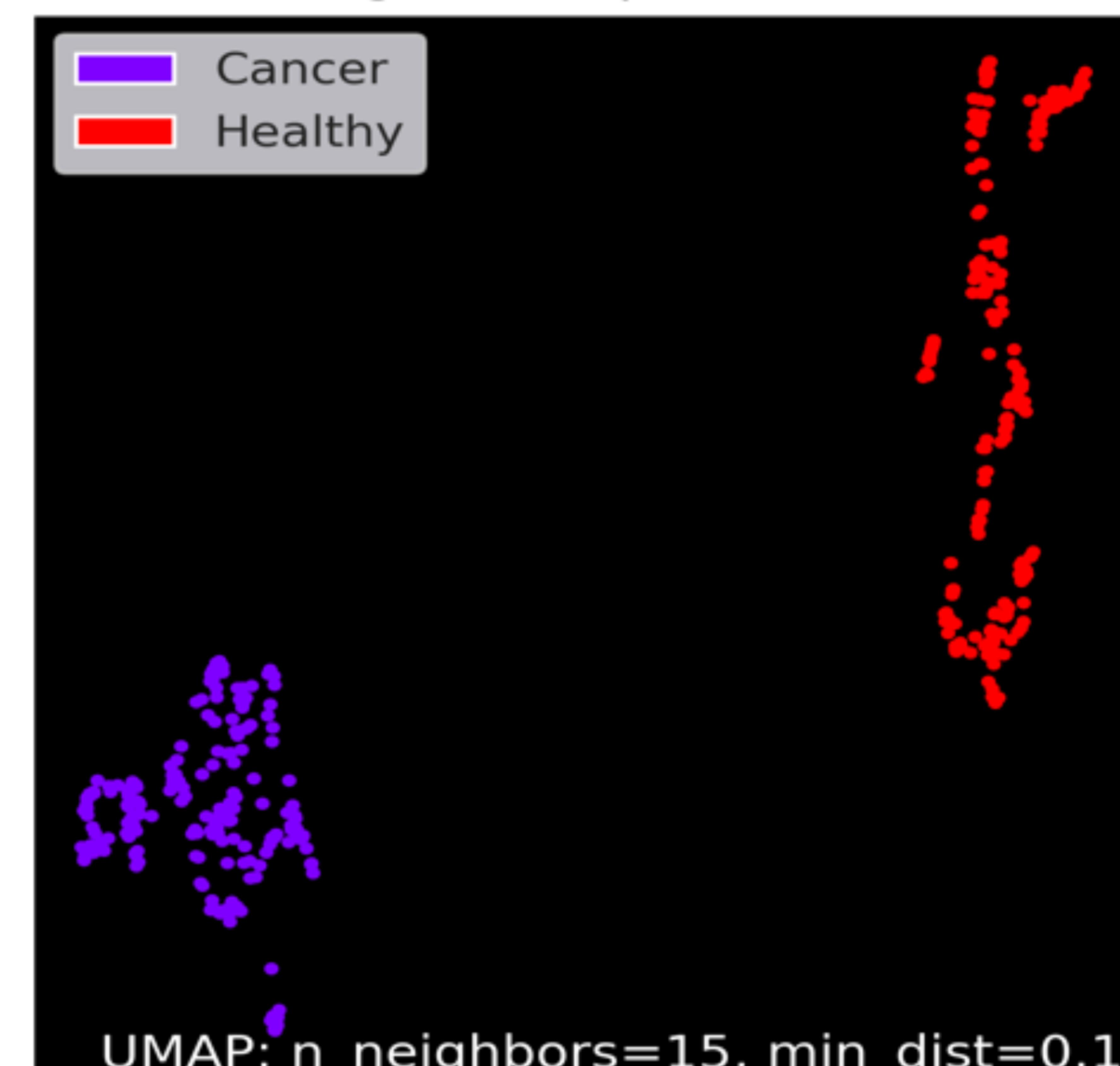


(b)

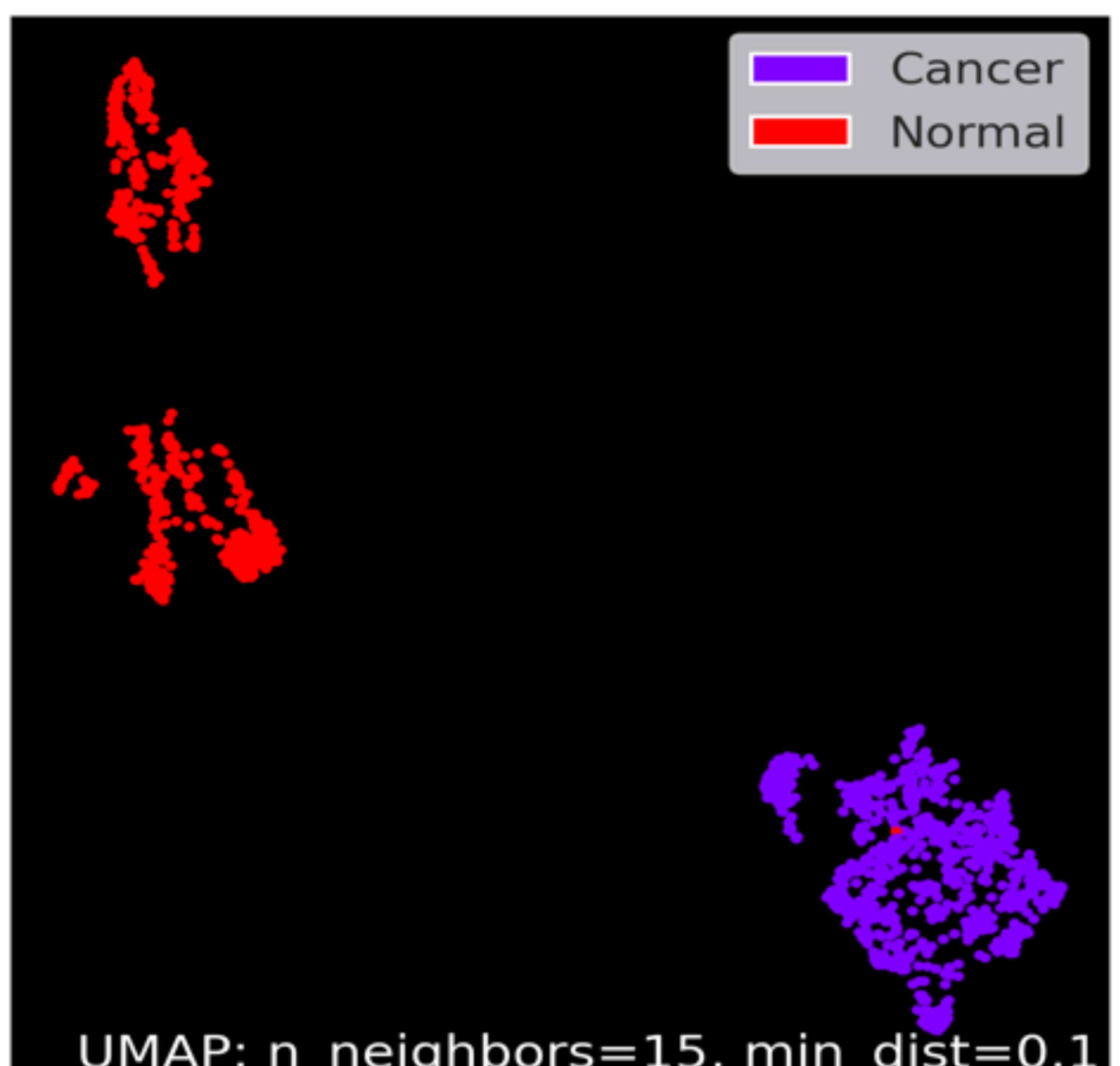
cfDNA fragmentation profile (DELF1 cohort)



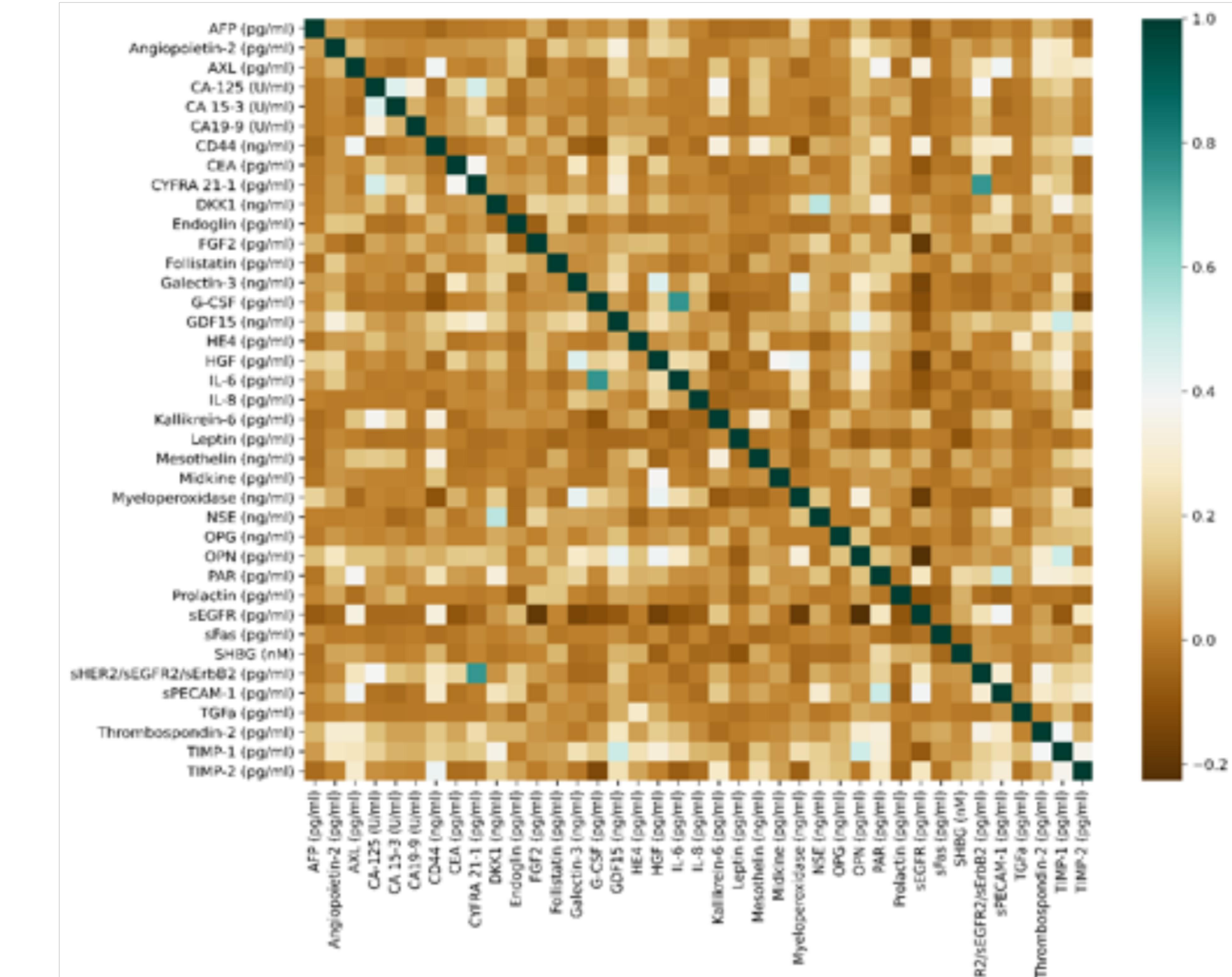
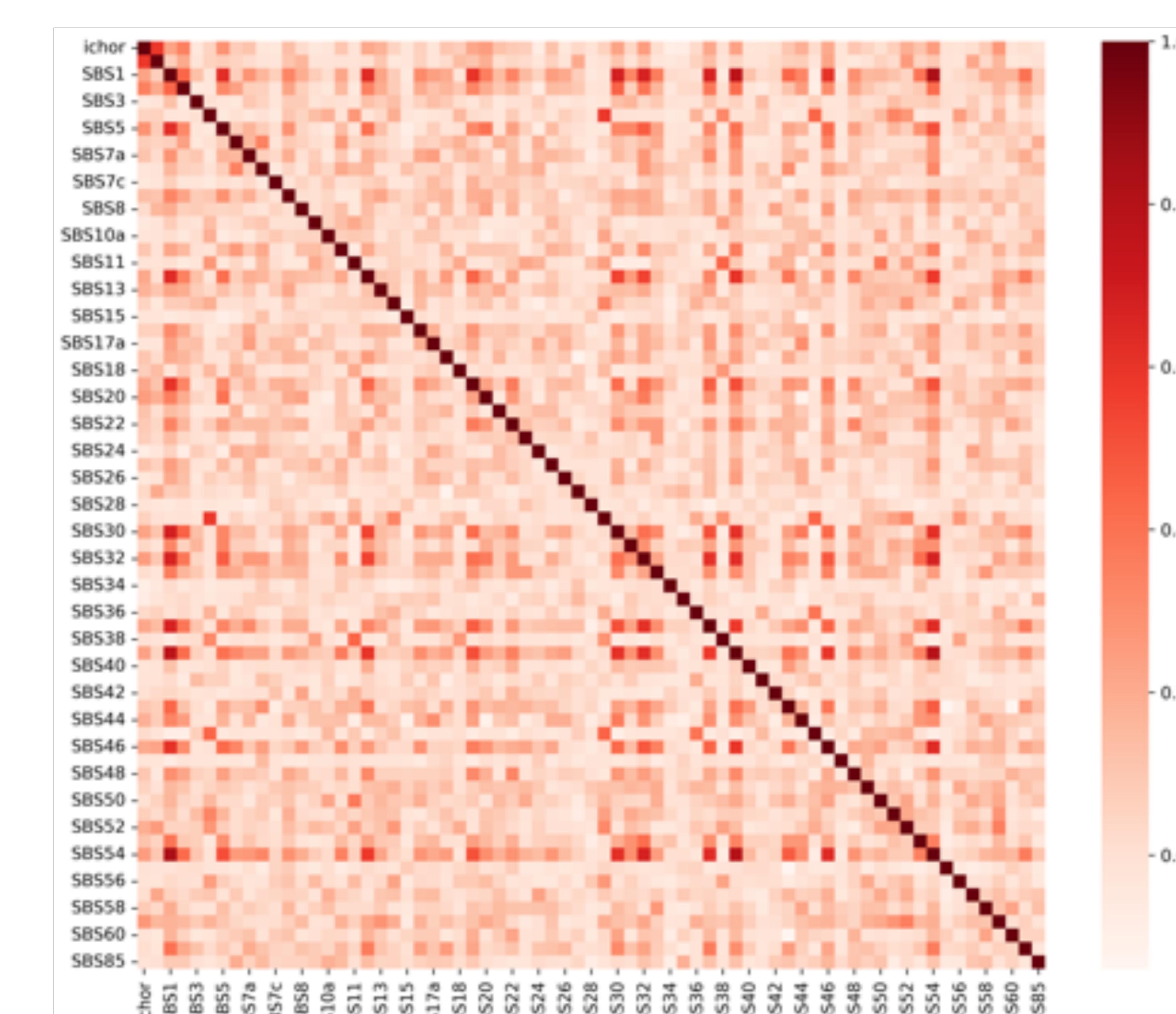
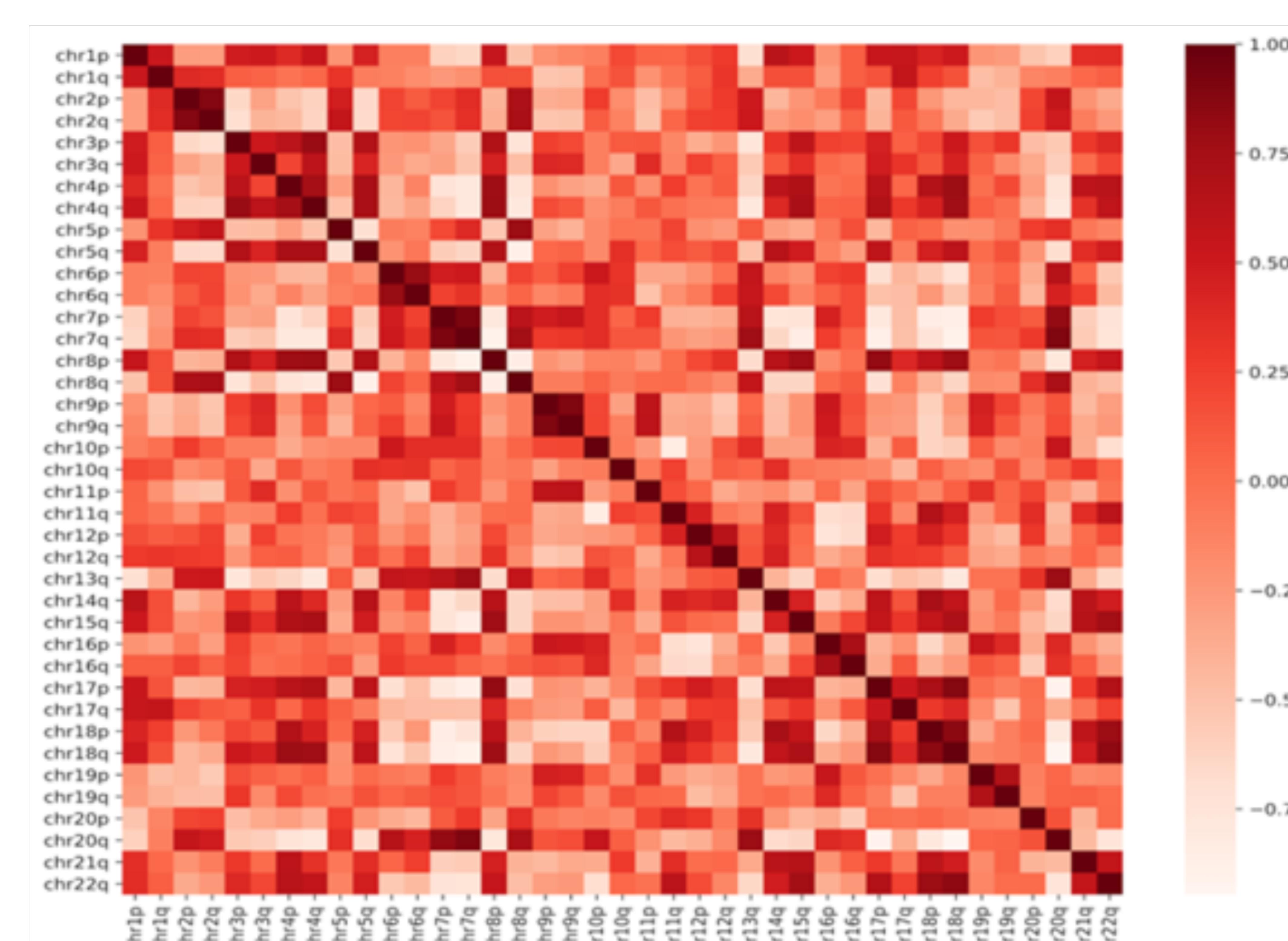
Mutational Singnatures profile (DELF1 cohort)



cfDNA and PBM Data (CancerSEEK cohort)



(c)



(d)

(e)

(g)