cloud (90 , genomes<=3)
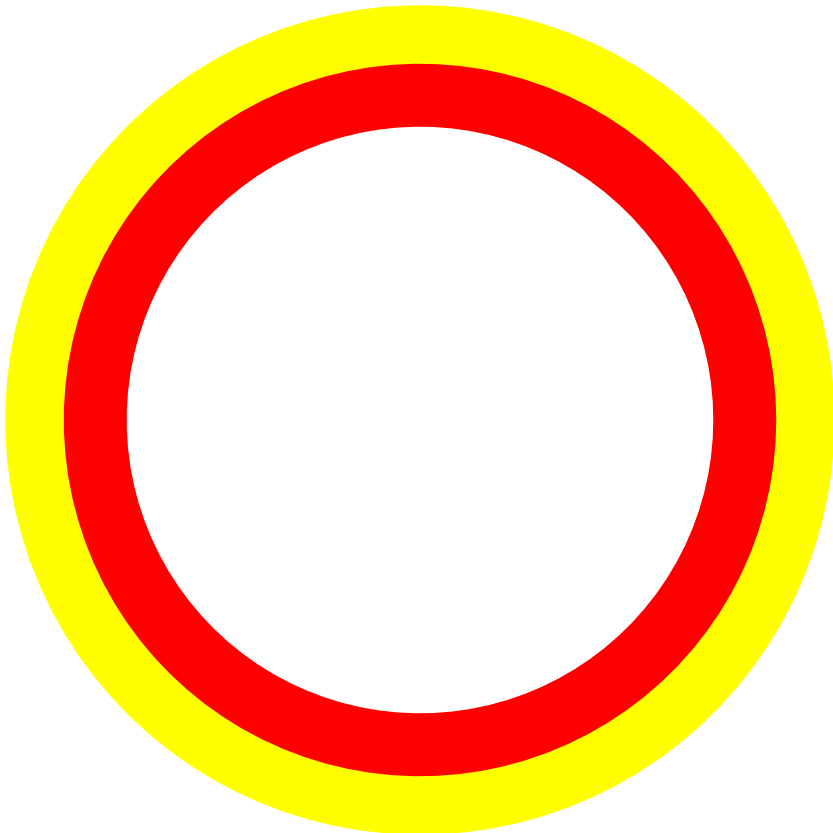shell (0)
soft core (122 , genomes>=4)
core (61 , genomes=5)

total gene clusters = 212   taxa = 5