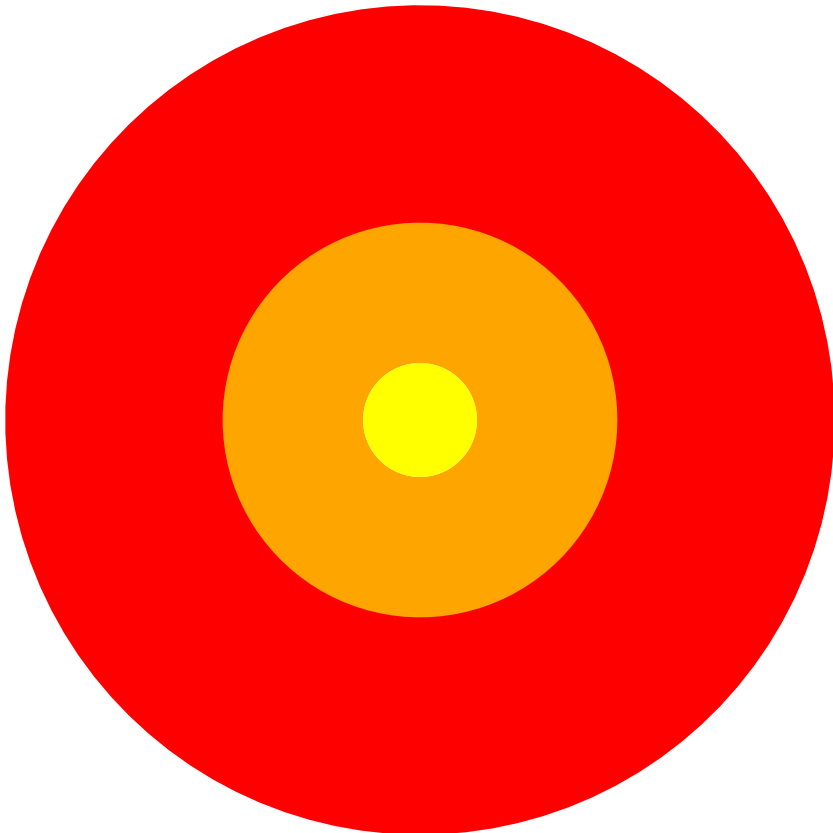cloud (53 , genomes<=2)
shell (12)
soft core (1 , genomes>=9)
core (1 , genomes=10)

total gene clusters = 66   taxa = 10