cloud (3 , genomes<=2)
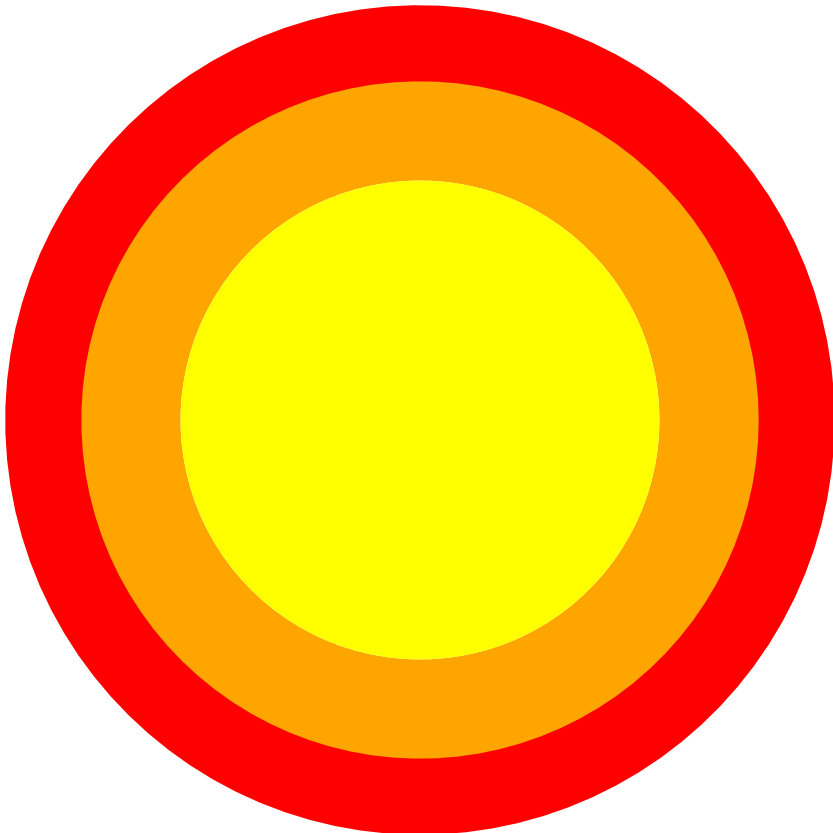shell (2)
soft core (1 , genomes>=5)
core (1 , genomes=6)

total gene clusters = 6   taxa = 6