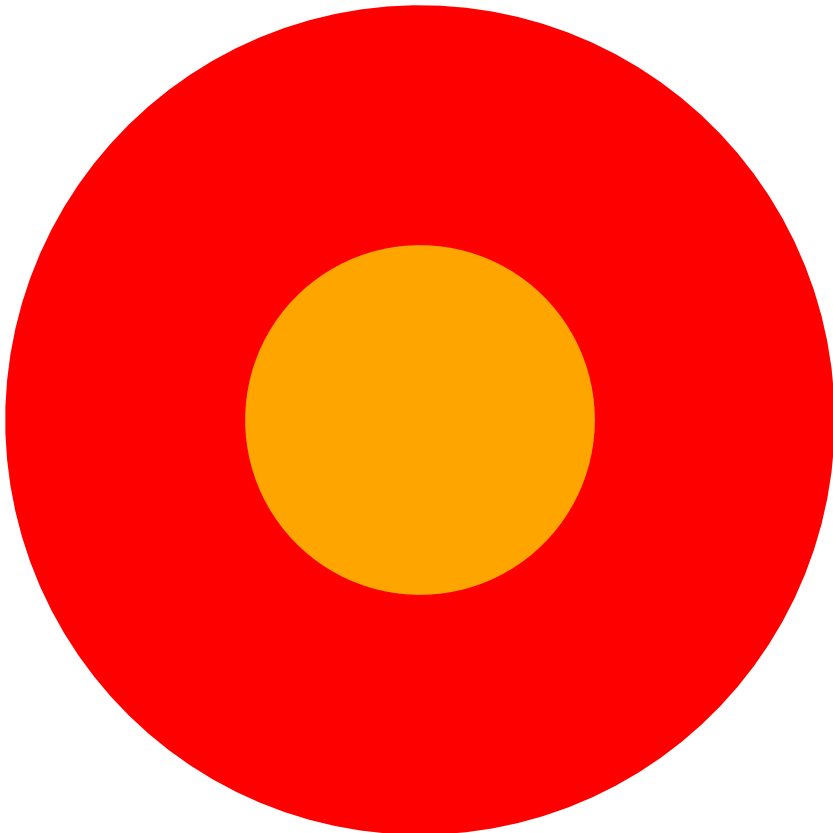cloud (45 , genomes<=2)
shell (8)
soft core (0 , genomes>=8)
core (0 , genomes=9)

total gene clusters = 53   taxa = 9