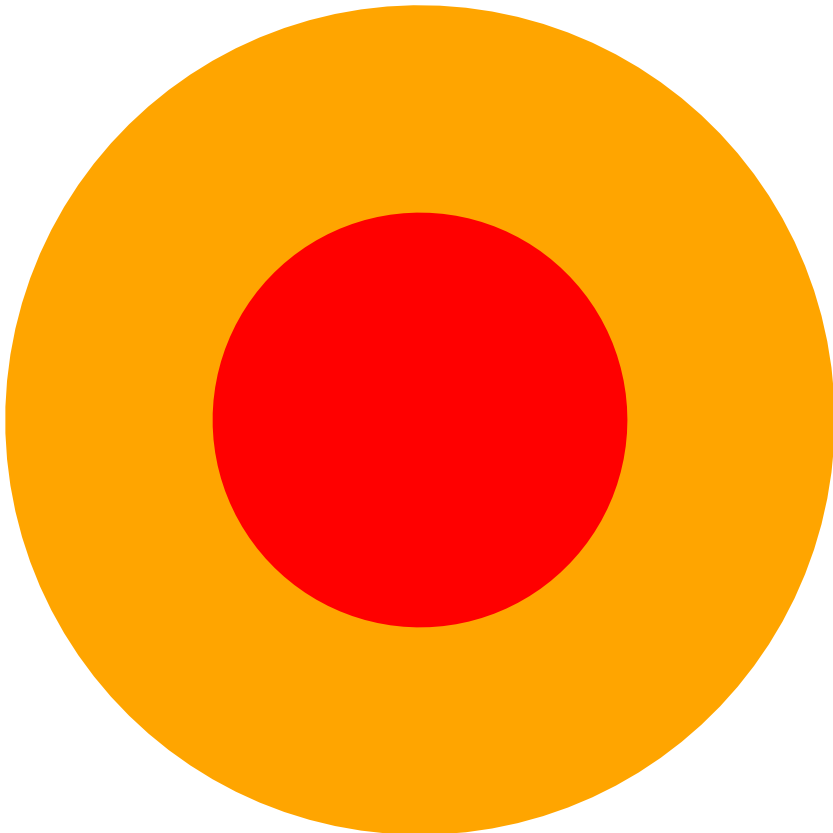cloud (1 , genomes<=2)
shell (4)
soft core (0 , genomes>=11)
core (0 , genomes=12)

total gene clusters = 5   taxa = 12