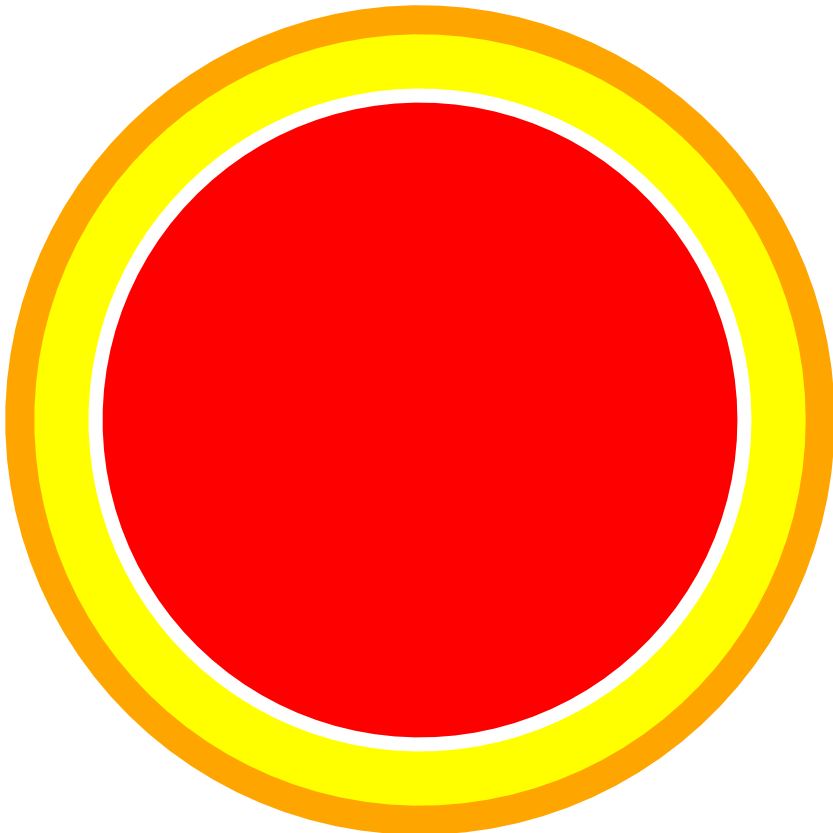cloud (342 , genomes<=2)
shell (584)
soft core (505 , genomes>=11)
core (373 , genomes=12)

total gene clusters = 1,431   taxa = 12