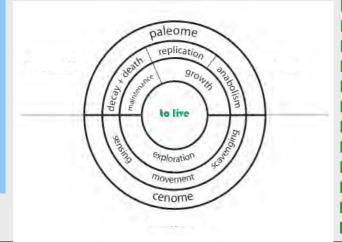
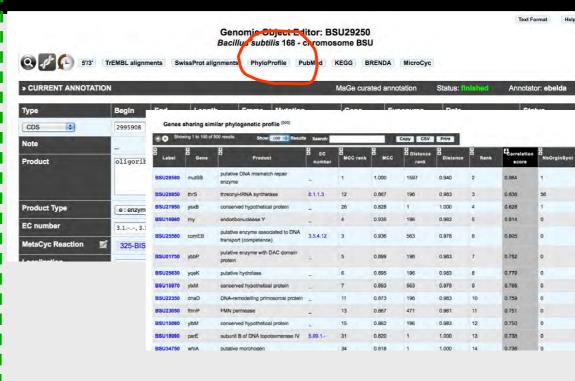
## phyloprofile: co-evolution differs in different clades

the functional paleome is ubiquitous; the structural paleome is not

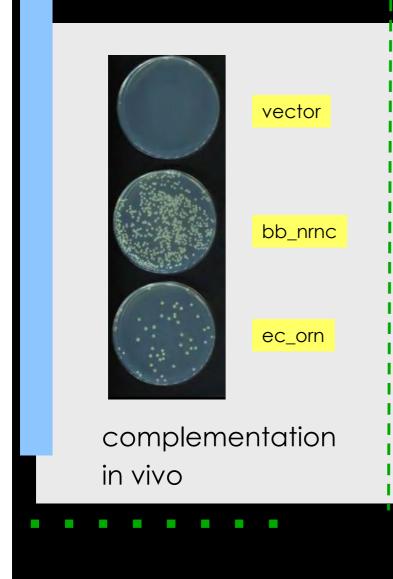
for example degradosomes differ in firmicutes, gamma-proteobacteria and alpha-proteobacteria

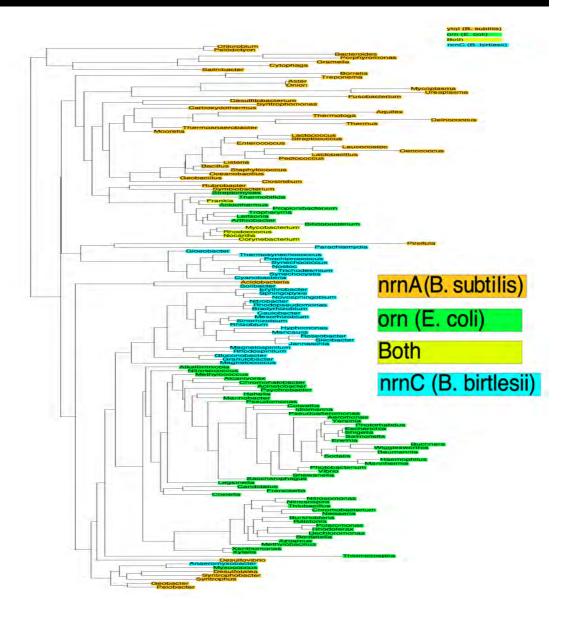




s engelen, d vallenet, c médigue, a danchin distinct co-evolution patterns of genes associated to dna polymerase iii dnae and polc *bmc genomics* (2012) **[in press]** 

## nano-rnases: functional, not structural ubiquity





## linking RNA, lipid and sulfur metabolism

