

Supplementary figure 3: COG categories of Actinobacteria

A) Phylogenomic tree of 192 Actinobacterial genera (one representative from each genus, whenever available). The horizontal bars next to the tree correspond to the total number of chromosomal protein-coding loci per representative genome (light blue), the absolute number of proteins (for that genome) that belong to the functional categories of Transcription (red), Signal Transduction (yellow), Lipid Transport and metabolism (green), Secondary Metabolism (blue).

B) Boxplots of the percentages (per proteome) of the proteins that belong to one of the four above mentioned functional categories, for *Streptomyces* (213 species), Actinobacteria (192 genera) and *Bacillus* (55 species).

