

## Cladogram

a: \_Melainabacteriales\_

b: \_Melainabacteria\_ c: Methanobacteriales

d: Methanobacteria e: Bacillales f: Erysipelotrichales g: Erysipelotrichia h: Selenomonadales i: Negativicutes j: unclassified\_Firmicutes k: unclassified l: RF32

m: Desulfovibrionales n: Deltaproteobacteria o: Enterobacteriales p: unclassified\_Bacteria q: unclassified









































