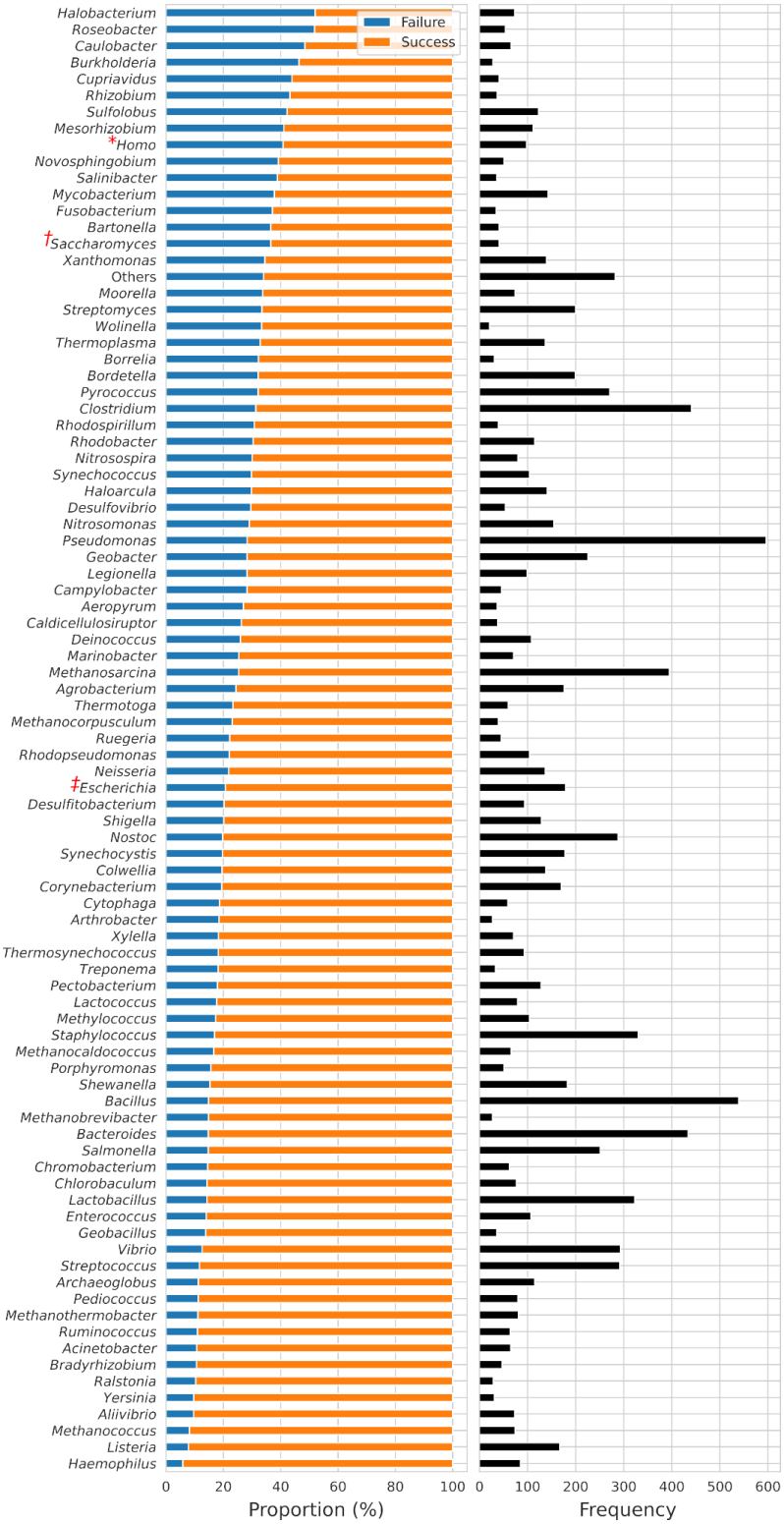
Failure
Success
Halobacterium
Roseobacter
Caulobacter
Burkholderia
Cupriavidus
Rhizobium
Sulfolobus
Mesorhizobium
*Homo
Novosphingobium
Salinibacter
Mycobacterium
Fusobacterium
Bartonella
†Saccharomyces
Xanthomonas
Others
Moorella
Streptomyces
Wolinella
Thermoplasma
Borrelia
Bordetella
Pyrococcus
Clostridium
Rhodospirillum
Rhodobacter
Nitrosospira
Synechococcus
Haloarcula
Desulfovibrio
Nitrosomonas
Pseudomonas
Geobacter
Legionella
Campylobacter
Aeropyrum
Caldicellulosiruptor
Deinococcus
Marinobacter
Methanosarcina
Agrobacterium
Thermotoga
Methanocorpusculum
Ruegeria
Rhodopseudomonas
Neisseria
‡Escherichia
Desulfitobacterium
Shigella
Nostoc
Synechocystis
Colwellia
Corynebacterium
Cytophaga
Arthrobacter
Xylella
Thermosynechococcus
Treponema
Pectobacterium
Lactococcus
Methylococcus
Staphylococcus
Methanocaldococcus
Porphyromonas
Shewanella
Bacillus
Methanobrevibacter
Bacteroides
Salmonella
Chromobacterium
Chlorobaculum
Lactobacillus
Enterococcus
Geobacillus
Vibrio
Streptococcus
Archaeoglobus
Pediococcus
Methanothermobacter
Ruminococcus
Acinetobacter
Bradyrhizobium
Ralstonia
Yersinia
Aliivibrio
Methanococcus
Listeria
Haemophilus
0
20
40
60
80
100
Proportion (%)
0
100
200
300
400
500
600
Frequency

S2 Fig