
RsiA
Gamma-Proteobacteria
Beta-Proteobacteria
Chloroflexi
Rsh2
Rsh3
Rsh4
Rsh1
Plants
Deinococci
Epsilon-Proteobacteria
Firmicutes
RshC
Delta-Proteobacteria
RshO
Spirochetes
Tenericutes
Bacteroidetes
RshB
Chlorobi
Aquificae
Thermotogae
Fusobacteria
Deferribacteres
Cyanobacteria
Spo7
no RelA
Gamma-Proteobacteria
no RelA
Beta-Proteobacteria
no RelA
degeneration of
catalytic active
domain?
Gamma-Proteobacteria
Alpha-Proteobacteria
Delta-Proteobacteria
Acidobacteria
RshA
Actinobacteria
Firmicutes